THE ALMANAC

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

SIXTY-NINTH EDITION, PUBLISHED AT WESTMINSTER, MARYLAND

1984

SECTION INDEX

Detailed Index to Contents 3
I—Association and FDA Personnel 16
II—Food Law and Regulations 34
III—Labeling and Packaging 85
IV—Emergency Permit Control-Good Mfg. Practice . . . 165
V—FDA Standards of Identity, Quality, Fill 217
VI—Quality Grade Standards, U.S.D.A. 330
VII—Raw Product Statistics 483
VIII—Pack Statistics, U.S. 526
IX—International Trade and World Packs 591
X—Canned Food Prices 609
XI—Appendix 616
XII—Buyers Guide, Machinery, Supplies, Services . . . 627
Index to Advertisers 662

Since 1916— The Industry's Indispensable Reference Manual

INDEX TO CONTENTS

CONCERNING THE INDEX AND CONTENTS

The section index on the front cover reveals the basic layout of this reference. Additionally, there's an index on the first page of the larger sections and an index to the Buyer's Guide on page 633.

In this detailed index, the editors have made every effort to cross index as far as possible without making it too bulky and cumbersome. The volume of detail included in this work, however, creates a near impossible indexing problem.

For instance, the user will find such detail as telephone numbers of FDA, USDA, Association and supplier firm offices as well as the full address. To indicate trends, multiple years are listed side by side for all statistics. The Census reports in this edition provide a wealth of material that couldn't possibly be adequately indexed.

Regular users are in the habit of turning to the Almanac whenever basic information is needed. For best results new users are urged to spend some time familiarizing themselves with the contents.

Bear in mind that this 69th edition is updated to May 15, 1984

ACIDIFIED FOODS 205
ACREAGE, Veg. for Processing 483
ADDITIVES, Color 72
ADDITIVES, Food 55
ADDRESSES, Assn. Officers 16
ADDRESSES, Food & Drug Offices 30
ADDRESSES, U.S.D.A., Grading Offices ... 331
ADULTERATED FOOD 43
ADVERTISING AND MISBRANDING 80
ALCOHOL - Insoluble solids test, peas 303
APPENDIX 616
ARBITRATION 332
ARTIFICIAL SWEETENERS 65
ASPARTAME (Editor's Ref.) 66
ASSOCIATIONS OF THE INDUSTRY 16
AUTHORITY, FDA 68

BABY FOOD LABELING 132
BUYER-SELLER GUARANTEE 87, 88
BUYERS' GUIDE - Machinery supplies
  Services 627

CANNED FOOD PRICES 610
CAN COATINGS 157
CAN PRICES 158
CAN SHIPMENTS 160
CAN SIZE CONVERSION 155
CAN SIZE STDS., INTERNATIONAL 161
CANCER CLAUSE 56, 73
CASE EQUIVALENTS, Various Size Cans ... 156
CASE SHIPPING WEIGHTS 625
CATEGORIES, FOOD 60
CENSUS, Industry 580
COATINGS, CANS 157
CODE, FROZEN FOOD HANDLING 212
CODEX REVIEW 218

COLOR ADDITIVES 72

COMMON OR USUAL NAMES (Part 102) ... 122
  Beverages, Orange Juice, dil. (§ 102.32) ... 125
  Beverages, non carbonated (§ 102.30) ... 125
  Beverages, diluted, other (§ 102.33) ... 125
  Bonito (§ 102.47) 127
  Clams, Fried (§ 102.49) 127
  Crabmeat (§ 102.50) 127
  Dinners, Main Dishes (§ 102.28) 124
  Dinners, Froz. Heat & Serve (§ 102.26) 123
  Fat and Oil Mixtures (§ 102.37) 126
  Fish Sticks or Portions (§ 102.45) 126
  Onion Rings (§ 102.39) 126
  Pacific Whiting (§ 102.46) 127
  Peanut Spreads (§ 102.23) 123
  Potato Chips from dried pot. (§ 102.41) 126
  Protein substitutes (Vegetable) 127
  Seafood Cocktails (§ 102.54) 127
  Shrimp Units, non-stdized. (§ 102.55) 127
  Turbot, Greenland (§ 102.57) 127

COMPLIANCE, FDA STDS. 225
COMPLIANCE, U.S.D.A. GRADE 334
CONSUMPTION (per capita)
  CANNED, FROZEN, FRESH FOOD ... 558, 622
CONTAINER SIZE CONVERSION 155
CONTAMINANTS, UNAVOIDABLE 176
CONVENTION CITIES 14
CONVENTION DATES AND CITIES,
  ASSOCIATION 16

CONVERSION FACTORS
  Various Size Cases 156
  Cans, Cases, and Glass 155
  Metric System Equivalents 616

INDEX TO CONTENTS—Continued

  Raw and Processed Weight Equiv. 617

CROP STATISTICS, Vegetables-
  Acreage, Yield, Production, Price paid to growers, Value 483
  Asparagus 507
  Beans, Lima 484
  Beans, Snap 486
  Beets 489
  Broccoli 509
  Cabbage (kraut) 490
  Carrots 510
  Cauliflower 512
  Corn Sweet 491
  Mushrooms 515
  Peas 495
  Pickles (cucumbers) 493
  Spinach 498
  Sweet Potatoes 514
  Tomatoes 500
  Summary-by-commodity 503
  Summary-by-State 504

CROP STATISTICS, Fruit-
  Utilization Price, Value 516
  Apples 516
  Apricots 522
  Cherries 518
  Cranberries 522
  Grapefruit 521
  Olives, California 523
  Oranges 520
  Peaches 523
  Pears 524
DEFECTS, UNAVOIDABLE 44, 176, 187
DEFINITIONS, Chap. II FFD&CA 35
DEFINITIONS, Labeling 95, 96
DEFIN. AND PROCEDURES (Part 145) 224
DEFIN. AND PROCEDURES (Part 155) 277
DEFINITIONS AND STDS. (Part 130) 218
DELANEY CLAUSE 56, 73
DENSITY, SYRUP . . . . 223, 333 and Indiv. Std.
DESCRIPTIVE LABELING 137
DIETARY FOOD REGS (Part 105) 131
DRAINED WT. DETERMINATION . . . 225, 333
DRAINED WEIGHT TABLES . . . Indiv. Grade
EMERGENCY PERMIT CONTROL 44, 165
ENERGY CONSUMED 584
EQUIPMENT & PROCEDURES, low acid
  foods, GMP's - (§113.40) 189
EXPERIMENTAL PACKS 221
EXPORT MARKETS - U.S. 595
EXPORTS CANNED & FROZEN 591
FACTORY INSPECTION 71
FAIR PACKAGING & LABELING ACT 91
FAT AND FATTY ACIDS (§101.25) 114
FEDERAL FOOD, DRUG &
  COSMETIC ACT AND REG. 35
FDA DEFINITIONS AND PROCEDURES
  (Part 145) 224
FDA FIELD OFFICES & INSPECTORS 30
FDA STANDARDS, IDENTITY, QUALITY,
  FILL 217
FILL OF CONTAINER...219, 225, 333, Indiv. Std
FILL WEIGHT . . . . Indiv. Fruit Grade
FISH GRADES (U.S.), FROZEN (Ref.) 478
FISH INSPECTION 71, 322
FOOD ADDITIVES 35, 55, 58, 62, 222
FOOD ADDITIVES IN STANDARDIZED
  FOODS 62
FOOD & DRUG OFFICES 30
FOOD CATEGORIES 60
FOOD LAW & REGULATIONS 34
FOOD & DRUG REGS-FFD&CA and FPLA....95
FORTIFICATION POLICY 129
FROZEN FOOD HANDLING CODE 212
FROZEN DINNERS 123, 130
FROZEN FOOD PACKS 566
FUELS & ELEC. ENERGY CONSUMED . . . 584
GLASS CONTAINER SHIPMENTS 160
GOOD MANUFACTURING
  PRACTICES 165, 181
  Aseptic Processing 197
  Coding 201
  Containers 199, 200
  Continuous Agitating Retorts 194
  Discontinuous Agitating Retorts 195, 196
  Part 110-Sanitation 181
  Part 113-Low Acid Foods 187
  Part 114-Acidified Foods 205
  Part 118-Cacao Products-Source ref only...209
  Part 122-Smoked & Smoke Flavored Fish-
    Ref. only 209
  Part 123-Frozen Raw breaded shrimp . . . 210
  Part 129-Bottled Drinking Water-
    Source reference only 211
  Personnel (Sanitation) 181, 205
  Pet Foods (Same as Part 113) 187
  Plants & Grounds 182
  Process & Controls 186, 202, 205
  Product Preparation 202
  Records, Processing, Production 171, 204
  Retorts, Continuous agitating 194
  Retorts, Discontinuous agitating . . . 195, 196
  Retorts, Flame Sterilizer 200
  Retorts, Hydrostatic 197
  Retorts, Still 189, 192
  Sanitary Facilities 183
  Sanitary Operations 183
  Water Activity 200
GOVERNMENT PURCHASES 619
GRADE DETERMINATION 334
GRADE IDENTIFICATION MARKS 335
GRADE STANDARDS (U.S.D.A.)
  CANNED FOODS 339
  Apples 339
  Apple Juice 340
  Applesauce 342
  Apricots 344
  Asparagus 350
  Beans, Baked 360
  Beans, Dried 358
  Beans, Lima 363
  Beans, Snap 356
  Beets 365
  Carrots 367
  Cherries, RTP 369

INDEX TO CONTENTS—Continued

Cherries, Sweet 371
Corn, C.S. 375
Corn, W.K. 377
Drained Weight Determination 225, 333
Fish Grades (U.S. Frozen, Reference) 478
Fruit Cocktail 378
Fruits for Salad 383
General Requirements 333
Grades Issued, List of 477
Grading Offices 331
Grapefruit 386
Grapefruit Juice 389
Grapefruit-Orange Juice 391
Identification Marks 336
Jelly, Fruit 381
Mushrooms 393
Orange Juice 395
Peaches, Cling 397
Peanut Butter 404
Pears 406
Peas 409
Peas, Blackeye 411
Pickles 412
Pimientos 417
Pork & Beans 362
Potatoes, Sweet 420
Potatoes, White 424
Preserves, Jams 427
Sampling Plans 335
Sanitation Plant 181, 338
Sardines, Maine (Not U.S.) 478
Sauerkraut 431
Sirup Density 224, 334 and Indiv. Std.
Spinach 431
Tangerine Juice 439
Tomatoes 439
Tomato Catsup 441
Tomato Juice 442
Tomato Juice Concentrate 444
Tomato Paste 444
Tomato Puree (Pulp) 444
Tomato Sauce 446

GRADE STANDARDS (U.S.D.A.)
  FROZEN FOODS 447
  Beans, Snap 447
  Beans, Lima 451
  Broccoli 452
  Carrots 457
  Cherries 461
  Corn, W.K. 462
  Corn-on-the-Cob 463
  Grapefruit Juice 389
  Leafy Greens 467
  Orange Juice Concentrated 395
  Peas 469
  Potatoes, French Fried 471
  Potatoes, Hash Brown 474
  Strawberries 476
GRADES ISSUED, LIST 477
GRADES (U.S.) FROZEN FISH (Ref.) 478
GRAS ELIGIBILITY (§170.30) 63
GRAS LIST REVIEW 58
GROWERS PRICES, CANNING CROPS 483
GUARANTEE, BUYER-SELLER 87, 88
HEADSPACE 334
HEARINGS, FDA 40, 56
IDENTITY STANDARDS, FDA 217
IMPORTS & EXPORTS (LAW) 81
IMPORTS, CANNED FOODS, U.S. 593
IMPORTS, OTHER COUNTRIES 597
INFANT FOOD LABELING 132
INFANT FORMULA ACT, Ref. 36, 67, 71, 133
INGREDIENT FUNCTIONS 61
INFORMATION PANEL ON LABEL 97
INGREDIENT LABELING (§101.4) 99
INGRED. IN STANDARDIZED FOODS 102
INJUNCTION PROCEEDINGS 37
INSPECTION, FDA 71, 322
INSPECTION, USDA 331
INTERNATIONAL CAN SIZE STDS 161
INTERNATIONAL TRADE 591
IRRADIATION 64
LABEL MEASUREMENT 154

LABELING & PACKAGING 85
  Agreement 87
  Artificial Coloring 89
  Artificial Flavoring 89
  Baby Foods 132
  Caloric Intake or body weight 134
  Chemical Preservatives 89
  Common or Usual Names (Part 102) 122
  Conspicuousness 88
  Container Size Conversion 155
  Contents, Statements, Net 117, 121, 145
  Descriptive Labeling Recommendations 137
  Diabetics, Labeling 135
  Dietary Foods (Law & Reg)(Part 105) 131
  Exemptions 90, 107, 121
  Experiments, Temporary (§101.108) 121
  Fair Packaging & Labeling Act 91
  Fat and Fatty Acids §101.25 114
  Fortification Policy §104.20 129
  Frozen Dinners 123, 130
  Imitation 88, 99
  Information Panel 97
  Ingredient designation (§101.4) 99
  Kosher Foods §101.29 116
  Label measurement 154
  Labeling Experiments
    (Proposed §101.108) reference 121
  Labeling Regulations 95
  Labeling Regs.-Effective dates 85
  Misbranding 88, 111
  Monosodium glutamate 116
  Name and address 88
  Net Contents Statements 117, 144
  Net Contents Variation
    (Proposed §101.106) reference 121
  Nutrition Labeling (§101.9) 103
  Nutritional Quality Guidelines 128
  Order 104
  Principal Display Panel 97
  Prominence 109
  Quantity Statement 104, 144
  Regulations, enforcement 95
  Responsibility for Correct Labels 86

INDEX TO CONTENTS—Continued

  Sample Labels ... 140, 141, 142
  Servings, Number of ... 102
  Shipments of Unlabeled Goods ... 87
  Sodium Content Labeling ... 103
  Sodium (Salt) ... 103
  Solid Content wt. declaration proposal (footnote ref. only) ... 117
  Spices, Flavorings, Colorings ... 111
  Sub-Standard Label Legend ... 220
  Warning Statements §101.17 ... 110
  Weights, Drained ... Sec. VI
  Weights, Label (net content) ... 144
LEAD REDUCTION PROGRAM, FDA ... 177
LOT INSPECTION & CERTIFICATION ... 334
LOW-ACID FOODS ... 168, 187
METRIC SYSTEM EQUIVALENTS ... 616
MICROBIOLOGICAL STANDARDS, RECOMMENDED, Reference only ... 128
MISBRANDED FOODS (§403) ... 88
MILITARY PURCHASES ... 618, 621
NET CONTENTS DECL. ... 117, 144
NUTRITION LABELING (§101.9) ... 103
NUTRITIONAL QUALITY GUIDELINES (Part 104) ... 129
NUTRITIVE SWEETENERS-DEFINITIONS & STDS. ... 316
NUTRITIVE SWEETENERS IN DIET BEVERAGES (§100.130) ... 66
OYSTERS, CANNED INSPECTION ... 322, 329

PACK STATISTICS, U.S.—CANNED FISH ... 558
  Clams ... 562
  Crabmeat ... 562
  Oysters ... 562
  Salmon ... 560
  Sardines, Maine ... 562
  Shrimp ... 562
  Tuna ... 561
  Miscellaneous ... 562

PACK STATISTICS, U.S.—CANNED FRUIT ... 547
  Apples ... 547
  Apple Juice ... 548
  Applesauce ... 548
  Apricots ... 550
  Baby Food ... 565
  Blackberries ... 551
  Blueberries ... 551
  Cherries, Red Tart ... 552
  Cherries, Sweet ... 552
  Cranberry Sauce ... 551
  Fruit Cocktail ... 553
  Fruits for Salad ... 553
  Grapefruit Juice ... 565
  Grapefruit ... 553
  Grapefruit Juice ... 554
  Grapefruit-Orange Juice ... 554
  Mixed Fruits ... 553
  Olives, Ripe & Green Ripe ... 564
  Orange Juice ... 554
  Peaches ... 555
  Pears ... 556
  Pie Fillings, fruit ... 564
  Pineapple & Pineapple Juice ... 557, 558, 600
  Plums ... 557
  Prune Juice ... 565
  Summary All Fruits, Tots. ... 547

PACK STATISTICS, U.S.—CANNED MEAT ... 563
  Meat Sauces ... 564

PACK STATISTICS, U.S.—CANNED SPECIALTIES ... 564
  Baby Food ... 565
  Beans, Baked ... 564
  Beans, Dry ... 564
  Hominy ... 564
  Jams & Jellies ... 564
  Juices, other ... 565
  Mayonnaise ... 562
  Mushrooms ... 564
  Mustard ... 564
  Peanut butter ... 564
  Pickles ... 564
  Poultry ... 565
  Salad Dressing ... 562
  Sirups & Molasses ... 564
  Vinegar & Cider ... 564

PACK STATISTICS, U.S.—CANNED VEGETABLES ... 526
  Asparagus ... 527
  Beans, Green ... 529
  Beans, Lima ... 530
  Beans, Wax ... 529
  Beets ... 532
  Carrots ... 532
  Chili Sauce ... 543
  Corn ... 533
  Greens, Leafy ... 546
  Misc. Vegetables ... 546
  Mixed Vegetables ... 546
  Okra ... 546
  Peas ... 535
  Peas, Blackeye ... 538
  Peas and Carrots ... 546
  Pimientos ... 538
  Potatoes, Sweet ... 546
  Potatoes, White ... 539
  Pumpkin ... 539
  Sauerkraut ... 540
  Spinach ... 541
  Succotash ... 546
  Summary All Veg. Tots. ... 527
  Tomatoes ... 542
  Tomato Catsup ... 543, 545
  Tomato Juice ... 544
  Tomato Paste ... 545
  Tomato Pulp (Puree) ... 545
  Tomato Sauce ... 545
  Turnip Greens ... 546

PACK STATISTICS, U.S. FROZEN FISH & SHELLFISH ... 565
PACK STATISTICS, U.S.—FROZEN FRUITS ... 576
  Apples ... 576
  Blackberries ... 577

INDEX TO CONTENTS—Continued

  Blueberries 578
  Cherries 577
  Citrus Juice Conc. 579
  Peaches 577
  Raspberries, Red 578
  Strawberries 578
  Totals-All Fruits & Berries 576

PACK STATISTICS, U.S.—FROZEN VEGETABLES 566
  Asparagus 567
  Beans, Green 567
  Beans, Italian 567
  Beans, Lima 568
  Beans, Wax 568
  Broccoli 568
  Brussels Sprouts 569
  Carrots 569
  Cauliflower 570
  Corn 570
  Mixes 575
  Okra 572
  Onions 571
  Peas 572
  Peas, Blackeye 572
  Potatoes 573
  Pumpkin & Squash 573
  Spinach 574
  Squash, Summer 574
  Summary, All Veg. Totals 566
  Zucchini 574

PACK STATISTICS, U.S. FROZEN SPECIALTIES 564
  Baked Goods 565
  Dinners, Pies, etc. 565
PACK STATISTICS, WORLD—CANNED 605
  Argentina 605
  Australia 606
  Canada 606, 608
  Chile 605
  France 606, 608
  Germany, West 606, 608
  Greece 606, 608
  Italy 606, 608
  Ivory Coast 606
  Japan 605
  Malaysia 606
  Mexico 606, 608
  Philippines 606
  Portugal 608
  South Africa 606
  Spain 605, 608
  Taiwan 606, 607, 608
  Thailand 606
  Turkey 608
  United Kingdom 608
  United States 526
PACKAGING SECTION 85
PCB'S 179, 185
PER CAPITA CONSUMPTION 558, 622
PESTICIDE REFERENCES 50
PESTICIDES, NFPA'S PROTECTIVE SCREEN PROGRAM 51
PESTICIDES (§408) 45
PESTICIDES IN PROCESSED FOOD 63
PRESIDENTS, NAT'L ASSN'S. 14
PRICES, CAN 158
PRICES, CANNED FOODS 610
PRICES, FRUIT CROPS 516
PRICES, PAID GROWERS 484
PRINCIPAL DISPLAY PANEL-LABEL 97
PROCESS FILING 169
PRODUCTION, CANNERS CROPS 484
RAW PRODUCT CONTAMINATION PREVENT 51
RAW PRODUCT STATISTICS 484
RECALL GUIDELINES (FDA) 172
RECORDS, INTERSTATE SHIPMENT 71
REDNESS DEFINED 277
REGISTRATION, PLANT 169
SACCHARIN 65, 89
SALT 109, 136, 138
SAMPLE LABELS 141, 142
SAMPLING AND ACCEPTANCE PROCEDURE 225
SANITATION, GMP (Part 110) 181
SANITATION REQUIREMENTS, FDA and USDA 181, 338
SCHOOL LUNCH PURCHASES 620
SEAFOOD INSPECTION 71, 322
SEIZURE 39
SHIPPING WEIGHTS, CASES 625
SHIPMENT RECORDS (LAW) 71
SHRIMP INSPECTION 322
SHRIMP STANDARDS (FDA) 307
SIRUP DENSITY 224, 334 and Indiv. Std.
SODIUM (salt) 103, 136, 138
SODIUM CONTENT LABELING 103
SOLUBLE SOLIDS DEFINED 277
STANDARDS OF IDENTITY, QUALITY, AND FILL OF CONTAINER FOR CANNED AND FROZEN FOODS, FDA 217
  Applesauce 227
  Apricots 228
  Artichokes 295
  Asparagus 295
  Bean Sprouts 295
  Beans, Butter 295
  Beans, Lima 295
  Beans, Shelled 295
  Beans, Green & Wax 278
  Beets 295
  Beet Greens 295
  Berries 230
  Broccoli 295
  Brussels Sprouts 295
  Cabbage 295
  Cane Sirup 318
  Carrots 295
  Cauliflower 295
  Celery 295
  Cherries 232
  Cherry Pie, Frozen 276
  Collards 295
  Corn 282
  Dandelion Greens 295
  Definitions and Standards (Part 130) 218
  Definitions and Procedures (Part 145) 224

INDEX TO CONTENTS—Continued

- Definitions (Part 155) 277
- Dextrose 316
- Dressings 320
- Experimental Packs, Temp. permits 221
- Figs 235
- French Dressing 320
- Fruit Butters 269
- Fruit Cocktail 238
- General Regulations (Part 130) 218
- Glucose 317
- Grapefruit 242
- Grapefruit Juice 261
- Grapes 240
- Jams or Preserves 273
- Jellies 270, 272
- Kale 295
- Lactose 317
- Lemon Juice 259
- Lemonade, Frozen Concentrate 260
- Maple Syrup 318
- Mayonnaise 320
- Milk 223
- Mushrooms 298
- Mustard Greens 295
- Nutritive Sweeteners 316
- Okra 295
- Onions 295
- Optional Ingredients .... FDA Product
- Orange Juice & Products 262
- Oysters 304
- Parsnips 295
- Peaches 244
- Peanut Butter 316
- Pears 247
- Peas, Blackeye 296
- Peas, Green, Canned 296
- Peas, Green, Frozen 302
- Peas, Field 296
- Peppers, Green Sweet, Red Sweet 296
- Pimientos 296
- Pineapple 251
- Pineapple Juice 266
- Plums 255
- Potatoes, White 296
- Potatoes, Sweet 296
- Preserves, Jams 273
- Prunes 257
- Prune Juice 268
- Rutabagas 296
- Salad Dressing 321
- Salmon, Canned 306
- Salsify 296
- Sampling and Acceptance Procedure 225
- Shrimp, Canned 307
- Shrimp, Frozen Breaded 307
- Sirups 318
- Sorghum Sirup 318
- Spinach 296
- Sub-Standard Label Legend 220
- Sugars & Syrups Definitions 224, 316
- Sweeteners, Nutritive 316
- Sweet Potatoes 296
- Swiss Chard 296
- Table Sirups 318
- Tomatoes 288
- Tomato Catsup 292
- Tomato Concentrates 290
- Tomato Juice 299
- Tom.Juice Conc... See "Tomato Concentrates"
- Tomato Paste... See "Tomato Concentrates"
- Tom Puree, Pulp... See "Tomato Concentrates"
- Truffles 296
- Tuna, Canned 310
- Turnip Greens 296
- Turnips 296
- Subpoenas 43
- Tolerance for Poisonous Ingredients 44
- Tolerances - Unavoidable Defects... 176, 187
- Vegetables, Misc. 295
- Violations, Minr., Report of 43

STANDARDS, QUALITY GRADE
- See GRADE STDS., U.S.D.A. 330

STEEL CAN COATINGS 157

STOCKS & SHIPMENTS, CANNED
- Applesauce 548
- Apricots 550
- Asparagus 528
- Beans, Green & Wax 530
- Beans, Lima 531
- Corn 535
- Peaches 555
- Peas 533
- Pumpkin 540
- Tomatoes 542
- Tomato Juice 537

SUBSTANDARD STATEMENTS 220

SUGARS AND SIRUPS DEFINITION... 224,316

TELEPHONE NOS., ASSN. OFFICES 16

TELEPHONE NOS., FDA OFFICES 30

TELEPHONE NOS., U.S.D.A. GRADING OFFICES 331

TEMPORARY PERMITS (§130.17) 221

TOLERANCES, FDA, NATURAL & UNAVOIDABLE SUBSTANCES 44

UNAVOIDABLE DEFECTS 44, 176, 187

U.S. CENSUS (Canned, Glasspacked, Frozen Foods) 580

U.S.D.A. INSPECTION OFFICES 331

U.S.D.A. INSPECTION SERVICE 331

U.S.D.A. QUALITY GRADE STANDARDS, (Voluntary) 330

U.S. FOOD & DRUG DISTRICT OFFICES ... 30

UTILIZATION FRUIT CROPS 516

VALUE OF CANNING CROPS 583

VALUE OF FRUIT CROPS 516

VITAMINS & MINERALS 67

WATER ACTIVITY DEFINED §114.3(h)... 205

WATER CAPACITY, DETERMINING (§130.12) 219

WATER, bottled (ref.) 67, 128, 211

WEIGHTS
- Drained Weight Determination 225, 333
- Drained Weights .... Indiv. Grade
- Fill Weight .... Indiv. Fruit Grade Stds.
- Label Weights 144
- Shipping Weights, Cases 625

WORLD PACKS 605

YIELD PER ACRE CANNERS CROPS ... 483

CAN PRICES

(Per 1000 cans)

Prices, 1931 thru 1947, are for hot dip cans basis 1.50 lbs. tin per base box throughout. Since the advent of electrolytic tin plating during World War II, very few commodities are packed in cans made entirely by the hot dipped process. See description of symbols at end of table. Prices FOB Baltimore at time of shipment, no discounts reflected; thru 1971 during seasonal packs; 1972-75 avg. yearly price; 1976-80 during seasonal packs, 1981 and thereafter effec. 4/1/81. An avg. 5½% increase became effective Sept. 1977.

Year	8Z Tall 211x304	No. 1 Pic 211x400	No. 303 303x406	No. 2 307x409	No. 2½ 401x411	No. 3 cyl. 404x700	No. 10 603x700
1931	.....	$14.40	.....	$19.99	$25.21	*$27.19	$60.33
1932	.....	13.95	.....	19.32	24.36	*26.24	58.46
1933	.....	13.05	.....	17.97	22.66	*24.34	54.71
1934, 1935 and 1936	.....	14.85	.....	20.67	26.06	*28.14	62.21
1937	.....	13.66	.....	19.02	23.06	*25.89	57.23
1938	.....	14.56	.....	20.32	24.71	*27.79	60.93
1939	.....	13.93	.....	19.41	23.56	*25.46	58.34
1940 thru 1946	.....	13.85	.....	19.00	22.60	*26.46	57.20
1947	.....	16.05	.....	21.63	26.19	40.93	65.69
1948 Hot Dipped, 1.50	.....	18.24	.....	24.61	30.05	46.26	74.51
1948 Electrolytic, .50 i.e.	.....	17.80	.....	23.78	29.41	45.83	75.09
1949 Hot Dipped, 1.50	.....	20.20	.....	27.29	33.52	51.05	82.41
1949 Electrolytic, .50 i.e.	.....	19.31	.....	25.81	32.05	49.47	81.14
1950 Hot Dipped, 1.50	.....	19.89	24.75	26.75	32.88	50.12	81.05
1950 Electrolytic, .50 i.e.	.....	19.27	23.69	25.66	31.91	49.23	80.89
1951 Hot Dipped, 1.50	.....	22.59	28.03	30.88	38.37	57.87	93.60
1951 Electrolytic, .50 i.e.	.....	21.37	26.38	29.07	36.21	55.26	90.48
1952 Hot Dipped, 1.50	.....	22.49	27.95	30.62	37.95	57.34	92.68
1952 Electrolytic, .50 i.e.	.....	21.27	26.25	28.64	35.66	54.73	89.56
1953 Hot Dipped, 1.50	21.36	23.46	29.20	31.98	39.66	59.85	96.75
1953 Electrolytic, .50 i.e.	20.28	22.21	27.46	29.96	37.32	57.17	93.56
1953 Electrolytic, .25 i.e.	19.90	21.78	26.88	29.29	36.50	56.03	91.67
1954 Hot Dipped, 1.50	21.68	23.80	29.58	32.36	40.19	60.82	98.29
1954 Electrolytic, .50 i.e.	20.64	22.60	27.94	30.56	37.99	58.25	95.21
1954 Electrolytic, .25 i.e.	20.26	22.17	27.56	29.92	37.18	57.13	93.37
1954 Differential	20.62	22.63	28.04	30.62	37.93	57.92	93.80
1957 Hot Dipped, 1.50	24.97	27.50	34.24	37.48	47.73	72.29	117.01
1957 Electrolytic, .50 i.e.	23.93	26.30	32.60	35.68	45.53	69.72	113.93
1957 Electrolytic, .25 i.e.	23.55	25.87	32.02	35.04	44.72	68.60	112.09
1957 Differential	23.59	25.94	32.18	35.18	44.79	68.33	110.97
1959 Hot Dipped, 1.50	24.20	28.19	32.60	36.76	46.54	73.63	119.88
1959 Electrolytic, .50 i.e.	23.16	26.99	30.96	34.96	44.34	71.06	116.80
1959 Electrolytic, .25 i.e.	22.78	26.56	30.38	34.32	43.53	69.94	114.96
1959 Differential	22.82	26.63	30.54	34.46	43.60	69.67	113.84
1961 Hot Dipped, 1.50	24.82	29.20	33.61	38.03	47.98	76.30	124.08
1961 elect. #25 E.I.	23.47	27.64	31.43	35.53	45.07	72.65	119.26
1961 diff. B 50/25; E 25 i.e.	23.84	28.06	32.00	36.18	45.87	73.77	121.11
1961 diff. B 75/25; E 25 i.e.	23.39	27.57	31.42	35.48	44.86	72.03	117.53
1961 diff. B 100/25; E 25 i.e.	23.48	27.68	31.57	35.64	45.05	72.34	117.97
1963 Hot Dipped, 1.50	25.65	30.29	34.81	39.43	49.64	77.17	126.44
1963 elect. #25 E.I.	24.30	28.73	32.63	36.93	46.73	73.52	121.62
1963 diff. B 50/25; E 25 i.e.	23.86	28.22	32.02	36.24	45.76	71.66	118.13
1963 diff. B 75/25; E 25 i.e.	24.22	28.66	32.64	36.88	46.52	72.90	119.89
1963 diff. B 100/25; E 25 i.e.	24.31	28.77	32.77	37.04	46.71	73.21	120.33
1963 elect. #25 E.I.*	23.74	.....	31.64	.....	.....	.....	.....
1963 diff. B 50/25; E 25 i.e.*	23.30	.....	31.03	.....	.....	.....	.....
1963 diff. B 75/25; E 25 i.e.*	23.66	.....	31.63	.....	.....	.....	.....
1963 diff. B 100/25: E 25 i.e.*	23.75	.....	31.78	.....	.....	.....	.....
1965 elect. #25 E.I.	25.46	30.09	34.07	38.69	48.92	76.53	126.79
1965 diff. B 50/25; E 25 i.e.	25.02	29.58	33.46	38.00	47.95	74.67	123.30
1965 diff. B 75/25; E 25 i.e.	25.38	30.02	34.06	38.64	48.71	75.91	125.06
1965 diff. B 100/25; E 25 i.e.	25.47	30.13	34.21	38.80	48.90	76.22	125.50
1965 elect. #25 E.I.*	24.99	.....	33.06	.....	.....	.....	.....
1965 diff. B 50/25; E 25 i.e.*	24.55	.....	32.45	.....	.....	.....	.....
1965 diff. B 75/25; E 25 i.e.*	24.91	.....	33.05	.....	.....	.....	.....
1965 diff. B 100/25; E 25 i.e.*	25.00	.....	33.20	.....	.....	.....	.....
1967 elect. #25 E.I.	26.53	31.28	35.45	40.49	51.16	79.16	131.77
1967 diff. B 50/25; E 25 i.e.	26.09	30.77	34.84	39.80	50.19	77.30	128.28
1967 diff. B 75/25; E 25 i.e.	26.45	31.21	35.44	40.44	50.95	78.54	130.04
1967 diff. B 100/25; E 25 i.e.	26.45	31.32	35.59	40.50	51.14	78.85	130.48
1967 elect. #25 E.I.*	25.98	.....	34.48	.....	.....	.....	.....
1967 diff. B 50/25; E 25 i.e.*	25.54	.....	33.87	.....	.....	.....	.....
1967 diff. B 75/25; E 25 i.e.*	25.90	.....	34.47	.....	.....	.....	.....
1967 diff. B 100/25; E 25 i.e.*	25.99	.....	34.62	.....	.....	.....	.....
1969 elect. #25 E.I.	28.67	33.63	38.19	44.49	56.24	87.91	149.32
1969 diff. B 50/25; E 25 i.e.	28.46	33.40	37.95	44.20	55.74	86.83	146.93
1969 diff. B 75/25; E 25 i.e.	28.78	33.78	38.47	44.76	56.41	87.91	148.47
1969 diff. B 100/25; E 25 i.e.	29.00	34.06	38.85	45.16	56.88	88.69	149.57
1969 elect. #25 E.I.*	28.36	.....	37.89	.....	.....	.....	.....
1969 diff. B 50/25; E 25 i.e.*	28.14	.....	37.64	.....	.....	.....	.....
1969 diff. B 75/25; E 25 i.e.*	28.46	.....	38.17	.....	.....	.....	.....
1969 diff. B 100/25; E 25 i.e.*	28.68	.....	38.54	.....	.....	.....	.....

---

* No. 3.

CAN PRICES—Continued

Year	8Z Tall 211x304	No. 1 Pic 211x400	No. 303 303x406	No. 2 307x409	No. 2½ 401x411	No. 3 cyl. 404x700	No. 10 603x700
1971 elect. #25 E.I.	33.58	39.26	44.80	51.95	66.19	102.70	174.65
1971 diff. B 50/25; E 25 i.e.	33.46	39.14	44.71	51.82	65.88	101.93	172.70
1971 diff. B 75/25; E 25 i.e.	33.73	39.48	45.15	52.20	66.45	102.85	174.02
1971 diff. B 100/25; E 25 i.e.	34.00	39.80	45.61	52.72	67.02	103.79	175.34
1971 elect. #25 E.I.*	33.32	.....	44.36	.....	.....	.....	.....
1971 diff. B 50/25; E 25 i.e.*	33.20	.....	44.27	.....	.....	.....	.....
1971 diff. B 75/25; E 25 i.e.*	33.47	.....	44.71	.....	.....	.....	.....
1971 diff. B 100/25; E 25 i.e.*	33.74	.....	45.17	.....	.....	.....	.....
1973 elect. #25 E.I.	37.09	43.36	49.68	57.73	73.91	114.56	196.66
1973 diff. B 50/25; E 25 i.e.	37.24	43.59	50.07	58.14	74.19	114.73	195.99
1973 diff. B 75/25; E 25 i.e.	37.63	43.95	50.55	58.66	74.80	115.73	197.40
1973 diff. B 100/25; E 25 i.e.	37.92	44.42	51.20	59.35	75.62	117.06	199.30
1973 elect. #25 E.I.*	36.94	.....	49.08	.....	.....	.....	.....
1973 diff. B 50/25; E 25 i.e.*	37.09	.....	49.47	.....	.....	.....	.....
1973 diff. B 75/25; E 25 i.e.*	37.48	.....	49.95	.....	.....	.....	.....
1973 diff. B 100/25; E 25 i.e.*	37.77	.....	50.60	.....	.....	.....	.....
1975 elect. #25 E.I.	55.36	64.62	74.32	87.03	110.83	170.87	294.21
1975 diff. B 50/25; E 25 i.e.	55.33	64.63	74.43	87.10	110.72	170.31	292.33
1975 diff. B 75/25; E 25 i.e.	56.10	65.57	75.71	88.46	112.34	172.95	296.07
1975 diff. B 100/25; E 25 i.e.	56.82	66.45	76.91	89.74	113.86	175.43	299.59
1975 elect. #25 E.I.*	54.61	.....	73.38	.....	.....	.....	.....
1975 diff. B 50/25; E 25 i.e.*	54.58	.....	73.49	.....	.....	.....	.....
1975 diff. B 75/25; E 25 i.e.*	55.35	.....	74.77	.....	.....	.....	.....
1975 diff. B 100/25; E 25 i.e.*	56.07	.....	75.97	.....	.....	.....	.....
1977 elect. #25 E.I.	64.63	75.43	86.80	101.62	129.41	199.46	343.43
1977 diff. B 50/25; E 25 i.e.	64.62	75.47	86.96	101.73	129.32	198.87	341.32
1977 diff. B 75/25; E 25 i.e.	65.29	76.29	88.08	102.93	130.74	201.19	344.62
1977 diff. B 100/25; E 25 i.e.	66.15	77.34	89.51	104.45	132.55	204.14	348.80
1977 elect. #25 E.I.*	63.75	.....	85.71	.....	.....	.....	.....
1977 diff. B 50/25; E 25 i.e.*	63.74	.....	85.87	.....	.....	.....	.....
1977 diff. B 75/25; E 25 i.e.*	64.41	.....	86.99	.....	.....	.....	.....
1977 diff B 100/25; E 25 i.e.*	65.27	.....	88.42	.....	.....	.....	.....
1979 elect. #25 E.I.	84.76	98.60	115.31	135.73	173.33	264.65	460.71
1979 diff. B 50/25; E 25 i.e.	84.92	98.84	115.77	136.15	173.57	264.56	459.20
1979 diff. B 75/25; E 25 i.e.	86.06	100.24	117.67	138.58	175.98	268.50	464.79
1979 diff. B 100/25; E 25 i.e.	87.25	101.69	119.65	14[illegible]29	178.49	272.59	470.60
1979 elect #25 E.I.*	82.83	96.72	112.58	.....	.....	.....	.....
1979 diff. B 50/25; E 25 i.e.*	82.99	96.96	113.04	.....	.....	.....	.....
1979 diff. B 75/25; E 25 i.e.*	84.13	98.36	114.94	.....	.....	.....	.....
1979 diff. B 100/25; E 25 i.e.*	85.32	99.81	116.92	.....	.....	.....	.....
1980 elect #25 E.I.	99.05	115.02	135.76	159.99	204.35	312.06	543.64
1980 diff. B 50/25; E 25 i.e.	99.28	115.37	136.38	160.58	204.74	312.16	542.24
1980 diff. B 75/25; E 25 i.e.	100.28	116.59	138.05	162.35	206.[illegible]5	315.60	547.13
1980 diff. B 100/25; E 25 i.e.	102.07	118.77	141.02	165.52	210.62	321.74	555.84
1980 elect #25 E.I.*	96.35	112.23	131.79	.....	.....	.....	.....
1980 diff. B 50/25; E 25 i.e.*	96.58	112.58	132.41	.....	.....	.....	.....
1980 diff. B 75/25; E 25 i.e.*	97.58	113.80	134.08	.....	.....	.....	.....
1980 diff. B 100/25; E 25 i.e.*	99.37	115.98	137.05	.....	.....	.....	.....
1981 elect #25 E.I.	109.63	127.29	150.25	177.06	226.18	345.43	601.92
1981 diff. B 50/25; E 25 i.e.	109.80	127.57	150.82	177.57	226.42	345.16	599.71
1981 diff. B 75/25; E 25 i.e.	110.91	128.94	152.68	179.55	228.77	349.01	605.17
1981 diff B 100/25; E 25 i.e.	112.82	131.27	155.86	182.94	232.80	355.58	614.50
1981 elect. #25 E.I.*	106.65	124.21	145.86	.....	.....	.....	.....
1981 diff. B 50/25; E 25 i.e.*	106.32	124.49	146.43	.....	.....	.....	.....
1981 diff. B 75/25; E 25 i.e.*	107.93	125.86	148.29	.....	.....	.....	.....
1981 diff. B 100/25; E 25 i.e.*	109.84	128.1[illegible]	151.47	.....	.....	.....	.....
1982 elect. #25 E.I.	121.35	140.88	166.32	195.97	250.37	382.42	666.56
1982 diff. B 50/25; E 25 i.e.	121.01	140.57	166.10	195.63	249.52	380.26	661.28
1982 diff. B 75/25; E 25 i.e.	122.26	142.08	168.17	197.83	252.15	384.53	667.36
1982 diff. B 100/25; E 25 i.e.	123.70	143.84	170.57	200.39	255.19	389.49	674.40
1982 elect. #25 E.I.*	118.05	137.47	161.47	.....	.....	.....	.....
1982 diff. B 50/25; E 25 i.e.*	117.71	137.16	161.25	.....	.....	.....	.....
1982 diff. B 75/25; E 25 i.e.*	118.96	138.67	163.32	.....	.....	.....	.....
1982 diff. B 100/25; E 25 i.e.*	120.40	140.43	165.72	.....	.....	.....	.....
1983 elect. #25 E.I.	128.62	149.33	176.29	207.73	265.39	405.36	706.57
1983 diff. B 50/25; E 25 i.e.	128.19	148.91	175.93	207.24	264.33	402.82	700.61
1983 diff. B 75/25; E 25 i.e.	129.44	150.42	178.00	209.44	266.96	407.09	706.69
1983 diff. B 100/25; E 25 i.e.	130.88	152.18	180.40	212.00	270.00	412.05	713.73
1983 Elect. #25 E.I.*	125.12	145.71	171.15	.....	.....	.....	.....
1983 diff. B 50/25; E 25 i.e.*	124.69	145.29	170.79	.....	.....	.....	.....
1983 diff. B 75/25; E 25 i.e.*	125.94	146.80	172.86	.....	.....	.....	.....
1983 diff. B 100/25; E 25 i.e.*	127.38	148.56	175.26	.....	.....	.....	.....

DESCRIPTION—Electrolytic cans listed above are coated with ¼ lb. (25) of tin per base box on outside of body and end. Ends are coated with ¼ lb. tin on inside and enameled. Inside of bodies of differential cans are coated with varying amounts of tin—½ lb. (50), ¾ lb. (75), and 1 lb. (100) as indicated. Wherever ¼ lb. is used on inside (either body or ends), enamel is added. The 60 lb. 2 CR body, designated by the asterisk (*) has reference to the weight of the steel in the body (lighter than conventional).

E. I. means Body and Ends Enameled inside; B means body; E means ends; i.e. means inside enamel.

METAL CAN SHIPMENTS BY PRODUCT

Source: Can Manufacturers Institute
Millions of Cans*

	1976	1977	1978	1979	1980	1981	1982	1983
FOOD								
Fruits & Juices	5,026	5,211	4,841	4,885	4.531	4.163	3.788	3,651
Vegetables & Juices	9,648	10,010	10,396	10,787	9.796	9.331	9.087	8.303
Dairy Products	1,472	1,321	1,113	943	826	854	889	927
Meat, Incl. Poultry	1,668	1,752	1,713	1,589	1.462	1.327	1.411	1.492
Seafood	1,261	1,133	1,262	1,089	1.170	[2]1,477	[2]1,341	1,527
Shortening	300	274	245	241	184	218	246	247
Baby Food	759	777	698	787	867	834	895	902
Other Food (a)	6,317	6,300	6,478	6,065	5.934	5,607	5.724	5,689
Total Foods	**26,451**	**26,778**	**26.746**	**26,386**	**24.770**	**[2]23.811**	**[2]23.381**	**22.738**
BEVERAGES								
Coffee	764	527	682	679	654	674	653	632
Soft Drinks	19,515	23,311	25,468	25,711	25.741	25.425	26.205	28.321
Beer	26,922	27,895	28,905	28,731	29.498	30,901	31.729	33.135
Total Beverages	**47.201**	**51.733**	**55.055**	**55,121**	**55.893**	**57.000**	**58.587**	**62.088**
PET FOOD	**2,977**	**2,768**	**2,918**	**2,968**	**2.889**	**[2]3.663**	**3.593**	**3.571**
NON-FOOD								
Aerosol	2,197	2,021	2,090	2,202	2.004	2,059	1,970	2.144
Motor Oil	629	601	587	546	452	n.a.	n.a.	n.a.
Paint & Varnish	853	836	838	873	803	813	795	817
Automotive Products	.....	.....	.....	.....	.....	601	257	229
Other NON/Food	2,278	2,153	1,535	1,248	1,136	863	738	807
Total Non-Food	**5,957**	**5,611**	**5,050**	**4,869**	**4.395**	**4.336**	**3.760**	**3.997**
Total Shipments	**82,586**	**86,890**	**89,769**	**89,344**	**87.947**	**[2]88.810**	**[2]89.321**	**92.394**
Total Steel	60,503	59,903	58,372	54,609	45.386	[2]40.116	[2]36.393	34.316
Total Aluminum	22,083	26,987	31,397	34,735	42.561	48.694	52.928	58,078
Total for Sale	59,661	61,449	62,916	62,854	60.768	[2]59.433	[2]59.375	61.907
Total for Own Use	22,925	25,441	26,853	26,490	27.179	[2]29.377	29.946	30.487
Wgt of Aluminum cans (b)	1,785	2,023	2,116	2,274	2.549	2,782	2,810	3,168

*1975 in billions. (a) Including soup. (b) Millions of pounds. n.a. Not available. [2]Revised.

GLASS CONTAINER SHIPMENTS BY TYPE OF CONTAINER*

Source: Bureau of Census, U.S. Department of Commerce
(Thousands of gross)

Type of Container	1974	1975	1976	1977	1978	1979[3]	1980[3]	1981[3]	1982
All Types Total	276,382	281,532	294,814	307,187	319,687	322,777	326,132	322.845	307.113
Direct exports[1]	2,673	2,510	2,469	3,073	2,247	2,935	2,233	2.165	1.333
Domestic[1]	273,709	279,022	292,345	304,114	317,440	319,842	323,899	320.680	305.780
Narrow Neck, Tot.	207,841	214,777	224,855	237,175	247,754	248.924	257,447	253.060	238.826
Food	24,491	25,266	25,727	23,869	27,563	26.686	28,075	28.728	27.658
Medicinal/health	17,372	14,436	16,646	15,143	14,509	13.159	12,956	12.536	11.272
Chem./Household/Indus.	2,981	2,776	3,008	2,428	2,600	2.493	2,071	1.718	1.456
Toiletries/cosm.	8,193	7,640	9,769	11,024	10,106	9.592	9.245	8.489	7.294
Bev., returnable	7,221	7,614	8,696	7,155	6,388	6.033	4.571	4.138	3.729
Bev., nonreturn	58,410	56,804	56,397	60,311	55,015	48.962	53.277	56.110	57.291
Beer, returnable	3,485	3,878	4,662	3,502	2,309	2.657	1,869	1.570	1,899
Beer, nonreturn	63,120	72,957	77,276	89.255	104,180	115.039	120.809	115.768	105.962
Liquor	14,461	14,874	14,427	15,877	16,568	15.793	15,790	15.365	13,857
Wine	8,107	8,532	8,247	8,611	8,516	8.510	8.784	8.638	8.408
Wide Mouth, Total	65,868	64,245	67,490	66,939	69,686	70.918	66.452	67.620	68.287
Food[2]	59,709	59,180	61,504	61,723	65,062	66.517	61.212	62.404	63.372
Medicinal/health	2,974	2,321	2,708	2,473	2,093	1.924	3,084	3.274	3,097
Chem./Household/Indus.	1,345	1,259	1,603	1,292	1,241	1.296	1.191	1.122	1.159
Toiletries/cosm.	1,692	1,378	1,675	1,451	1,290	1.181	965	820	659
Dairy products	148	107	(1)	(1)	(1)	(1)	(1)	(1)	(1)

(1) Beginning in 1982 domestic shipments are no longer collected separately. This means that below the total level the quantity of shipments data are not comparable with prior years. (2) Since 1976, data for dairy products are combined with Food. *Shipments by type represent Domestic Container Shipments only. [3]Revised.

THE ALMANAC

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

Section VII

RAW PRODUCT STATISTICS

Source: Crop Reporting Board, Statistical Reporting Service, U.S.D.A.

In order to stay within the fiscal 1982 funding level the U.S. Department of Agriculture's Statistical Reporting Service has reduced the number of fresh market and processing vegetable crop estimates.

Fresh market estimates for artichokes, asparagus, snap beans, brussels sprouts, cabbage, cantaloupes, cucumbers, eggplant, escarole/endive, garlic, green peppers, watermelons and spinach have been discontinued.

Processing vegetable crop estimates have been discontinued for lima beans, beets, cabbage for kraut, cucumbers for pickles, spinach and asparagus.

INDEX TO CONTENTS

PRINCIPAL VEGETABLE CROPS FOR PROCESSING
ACREAGE, YIELD, PRODUCTION, VALUE PER TON, TOTAL VALUE 484

Beans, Lima 484
Beans, Snap 486
Beets 489
Cabbage (Kraut) 490
Corn, Sweet 491
Cucumbers 493
Peas 495
Spinach 498
Tomatoes 500
Summary, Commodity 503
Summary, State 504

VEGETABLE CROPS FOR PROCESSING & FRESH MARKET 507

Asparagus 507
Broccoli 509
Carrots 510
Cauliflower 512
Mushrooms 515
Sweet Potatoes 514

FRUIT CROPS, UTILIZATION, PRICE, VALUE 516

Apples 516
Apricots 522
Cherries, Sweet 518
Cherries, Tart 519
Cranberries 522
Grapefruit 521
Olives 523
Oranges 520
Peaches 523
Pears 524

PRINCIPAL VEGETABLE CROPS FOR PROCESSING

GREEN LIMA BEANS—HARVESTED ACREAGE—1,000 ACRES

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
Delaware	16.1	15.8	12.1	8.4	9.0	12.6	10.2	9.3	10.8	11.1
Maryland	3.8	4.4	3.2	3.9	2.8	4.0	3.4	2.6	2.1	2.1
Wisconsin	7.4	5.3	11.2	5.0	5.9	6.4	6.9	4.8	4.0	5.1
Washington	2.7	1.8	2.1	(a)	(a)	(a)	(a)	(a)	(a)	(a)
California	28.2	26.6	26.8	15.7	26.9	29.8	29.3	20.0	21.4	23.9
Other States	19.3	19.8	21.5	15.0	15.7	15.3	15.6	14.1	11.4	8.9
For Freezing	49.8	50.3	45.9	25.4	38.2	41.6	39.3	29.1	29.7	34.2
Baby	35.9	36.4	32.2	18.9	28.5	30.8	27.3	19.3	23.4	25.2
Fordhook	14.0	13.9	13.7	6.5	9.8	10.9	12.0	9.9	6.3	9.0
For Canning	27.7	23.4	31.0	22.6	22.1	26.5	26.1	21.7	20.0	16.9
U.S. PROC	77.5	73.7	76.9	48.0	60.3	68.1	65.4	50.8	49.7	51.1

*PLEASE NOTE: Survey discontinued with 1981 data. 1982 is not harvested acreage but represents only planting intentions as of March 23, 1982. These estimates are based on reports made by processors prior to planting and represent area contracted or intentions to contract as well as intended area grown by processing firms for their own use. Does not include acreage allowance for open market procurement. Weather conditions and publication of these figures by U.S.D.A. often cause change in plans. Also it should be considered that a number of planted acres are abandoned each year. 1976 harvested acreage was 4.4% less than "intentions"; 1977—3.4% less; 1978—1.9% less; 1979—7.1% less; 1980—9.0% less; 1981—1.0% greater. n.a. Not available. (a) Included in "Other States".

GREEN LIMA BEANS—YIELD PER ACRE—POUNDS SHELLED

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
Delaware	1,660	1,660	1,660	1,660	1,660	1,140	1,760	1,680	1,460	1,900
Maryland	1,520	1,680	1,500	1,680	1,360	1,500	1,620	1,500	1,300	1,720
Wisconsin	1,640	1,860	1,880	2,040	1,840	2,340	1,880	2,120	2,040	1,860
Washington	3,080	3,000	3,880	(a)	(a)	(a)	(a)	(a)	(a)	(a)
California	3,500	3,440	3,480	3,460	3,280	3,220	3,020	3,740	3,380	3,400
Other States	1,880	2,280	1,840	2,180	2,100	2,160	2,260	2,040	2,000	2,260
For Freezing										
Baby	2,420	2,580	2,380	2,580	2,540	2,740	2,680	3,100	2,800	2,960
Fordhook	3,860	3,680	4,000	3,620	3,820	3,220	3,040	3,740	3,340	3,560
For Canning	1,680	1,900	1,560	1,920	1,720	1,760	1,880	1,860	1,640	1,920
U.S. PROC AV	2,440	2,540	2,420	2,500	2,320	2,460	2,420	2,720	2,420	2,620

*Survey discontinued with 1981 data. (a) Included in "Other States".

GREEN LIMA BEANS—PRODUCTION—1,000 TONS, SHELLED

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
Delaware	13.5	13.4	13.1	10.1	7.0	5.1	11.1	8.6	6.8	10.3
Maryland	1.8	3.2	3.3	2.7	2.7	2.1	3.3	2.6	1.7	1.8
Wisconsin	5.3	6.9	5.0	11.4	4.6	6.9	6.0	7.3	4.9	3.7
Washington	3.7	4.1	3.5	3.1	(a)	(a)	(a)	(a)	(a)	(a)
California	47.8	48.5	46.3	46.3	25.8	43.2	45.0	54.8	33.8	36.4
Other States	18.7	22.1	18.2	22.6	15.8	16.9	17.3	16.0	14.1	12.8
For Freezing	68.6	71.9	71.2	66.2	36.4	54.7	57.6	64.8	43.4	45.7
Baby	41.2	46.2	43.4	41.4	24.0	39.0	41.1	42.3	26.9	34.5
Fordhook	27.5	25.8	27.8	24.8	12.4	15.7	16.5	22.6	16.5	11.2
For Canning	22.1	26.2	18.3	29.9	19.5	19.5	25.1	24.4	17.8	19.3
U.S. PROC.	90.7	98.1	89.4	96.1	55.8	74.2	82.7	89.2	61.3	65.0

*Survey discontinued with 1981 data. (a) Included in "Other States".

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

GREEN LIMA BEANS—VALUE PER TON—DOLLARS

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
Delaware	154.00	171.00	240.00	285.00	197.00	248.00	312.00	273.00	309.00	374.00
Maryland	121.00	179.00	192.00	294.00	271.00	264.00	339.00	353.00	377.00	438.00
Wisconsin	179.00	160.00	239.00	275.00	224.00	246.00	251.00	297.00	277.00	384.00
Washington	176.00	195.00	348.00	(a)	(a)	(a)	(a)	(a)	(a)	(a)
California	247.00	251.00	367.00	349.00	323.00	384.00	395.00	400.00	467.00	464.00
Other States	168.00	171.00	275.00	309.80	288.80	312.60	339.00	345.00	373.00	441.00
For Freezing										
Baby	206.00	215.00	314.00	318.40	286.20	363.30	380.00	368.00	431.00	443.00
Fordhook	254.00	246.00	352.00	359.00	344.40	365.20	396.00	429.00	442.00	456.00
For Canning	153.00	170.00	262.00	294.80	251.00	283.20	302.00	311.00	350.00	425.00
U.S. PROC AV ..	208.00	211.00	315.00	321.50	286.90	342.70	359.00	368.00	410.00	440.00

*Survey discontinued with 1981 data. (a) Included in "Other States".

GREEN LIMA BEANS—TOTAL VALUE—1,000 DOLLARS

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
Delaware	2,071	2,283	3,144	2,864	1,379	1,265	3,462	2,340	2,098	3,837
Maryland	212	573	634	794	718	554	1,102	900	637	793
Wisconsin	940	1,104	1,195	3,135	1,030	1,697	1,506	2,171	1,357	1,428
Washington	651	790	1,218	1,032	(a)	(a)	(a)	(a)	(a)	(a)
California	11,807	12,174	16,992	16,159	8,317	16,627	17,775	21,916	15,785	16,880
Other States	3,148	3,790	4,996	6,914	4,563	5,283	5,858	5,504	5,260	5,662
For Freezing ...	15,451	16,260	23,405	22,084	11,125	19,903	22,144	25,247	18,887	20,405
Baby	8,469	9,919	13,623	13,181	6,855	14,170	15,609	15,567	11,604	15,284
Fordhooks	6,982	6,341	9,782	8,903	4,270	5,733	6,535	9,680	7,283	5,121
For Canning	3,378	4,454	4,774	8,814	4,882	5,523	7,560	7,584	6,250	8,195
T. US PROC	18,829	20,714	28,179	30,898	16,007	25,426	29,704	32,831	25,137	28,600

*Survey discontinued with 1981 data. (a) Included in "Other States".

THE DIRECTORY
OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

Listing
Canners, Freezers, Preservers
Picklers, Mayonnaise & Salad
Dressing Manufacturers

FULLY ZIP-CODED ADDRESS & TELEPHONE NUMBER FOR OFFICES AND FACTORIES • PERSONNEL AND JOB FUNCTION • PRODUCTS BY FACTORY BY PROCESS (Canned, Glassed, Frozen) • BRANDS • PACK VOLUME • CONTAINER SIZES • ASSOCIATION AFFILIATION • DIVISION & SUBSIDIARY RELATIONSHIPS • HARD BOUND

ORDER TODAY FROM
THE CFP DIRECTORY
P.O. Box 550, Westminster, Md. 21157 USA • 301—876-7150

ORDER BY PHONE

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

SNAP BEANS—HARVESTED ACREAGE—1,000 ACRES (Rounded)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
New York	49.7	48.0	42.6	43.0	50.7	45.6	46.4	38.9	35.6	33.8
New Jersey	(a)	(a)	(a)	(a)	9.0	6.8	6.4	7.4	9.3	6.2
Pennsylvania	6.0	6.1	5.3	5.0	4.8	4.7	5.9	5.5	6.2	4.5
Delaware	(a)	(a)	(a)	8.8	10.4	4.9	6.1	(a)	(a)	(a)
Maryland	(a)	(a)	4.6	6.8	6.3	8.6	4.9	3.9	2.6	(a)
EAST†	55.7	54.1	52.5	63.6	81.2	70.6	69.7	55.7	53.7	44.5
Virginia	2.7	2.9	3.5	3.0	4.3	4.0	2.9	1.8	(a)	(a)
North Carolina ..	(a)	(a)	1.3	1.4	1.5	4.0	2.8	2.2	1.5	(a)
Florida	(a)	(a)	(a)	10.5	12.0	13.5	7.3	1.5	2.0	.6
SOUTHEAST† ..	2.7	2.9	4.8	14.9	17.8	21.5	13.0	5.5	3.5	.6
Illinois	8.6	9.0	7.7	7.2	9.2	9.5	6.6	(a)	(a)	(a)
Indiana	(a)	(a)	(a)	(a)	3.6	2.7	2.4	1.6	1.1	1.9
Michigan	13.8	13.1	14.0	16.8	16.4	17.3	13.7	14.3	14.2	14.8
Wisconsin	61.0	64.8	69.5	67.2	68.0	79.3	78.8	70.2	64.5	72.4
MID-WEST†	83.4	86.9	91.2	91.2	97.2	108.8	101.5	86.1	79.8	89.1
Arkansas	6.0	4.0	3.6	4.7	3.9	(a)	(a)	4.1	3.6	3.3
Tennessee	12.0	15.2	11.8	13.7	12.0	9.9	12.1	7.6	6.9	4.9
Oklahoma	1.4	2.2	2.3	2.2	.9	(a)	(a)	(a)	(a)	(a)
Texas	5.4	4.5	3.2	(a)	(a)	(a)	(a)	(a)	(a)	(a)
SO. CENTRAL† .	24.8	25.9	20.9	20.6	16.8	9.9	12.1	11.7	10.5	8.2
Colorado	1.9	1.7	1.5	1.7	1.4	1.5	.8	1.0	.5	(a)
Washington	3.4	(a)	(a)	1.6	2.1	2.3	2.4	1.6	2.1	1.8
Oregon	43.6	32.4	29.3	32.5	35.6	38.4	31.1	27.4	25.7	22.4
California	7.0	7.4	4.8	6.0	7.4	7.3	4.5	(a)	(a)	(a)
WEST†	55.9	41.5	35.6	41.8	46.5	49.5	38.8	30.0	28.3	24.2
OTHER STS†	68.6	62.3	32.2	25.5	20.9	25.1	20.6	29.3	28.6	30.5
For Freezing	61.5	50.1	46.3	57.4	69.1	64.0	56.4	56.3	60.0	57.4
For Canning	229.6	223.5	190.8	200.2	211.3	221.5	199.3	162.0	144.5	139.7
PROCESSING ...	291.1	273.6	237.2	257.6	280.4	285.4	255.7	218.3	204.4	197.1
FRESH MKT	83.0	84.6	86.2	79.6	86.3	85.5	95.7	88.6	n.a.	n.a.
TOT. U.S.........	374.1	358.2	323.4	337.2	366.7	370.9	351.4	306.9	n.a.	n.a.

n.a.—Not available. (a) Included in "Other States". † Area totals do not include quantities in "OTHER STS."

SNAP BEANS — YIELD PER ACRE — TONS (Rounded)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
New York	2.1	2.2	1.7	2.2	2.1	2.3	2.4	2.5	2.8	2.6
New Jersey	n.a.	n.a.	n.a.	n.a.	2.0	2.1	2.6	2.8	2.7	1.8
Pennsylvania	2.5	1.9	2.3	2.1	2.3	2.1	1.6	2.3	2.2	1.8
Delaware	n.a.	n.a.	n.a.	1.7	2.1	2.5	2.0	n.a.	n.a.	n.a.
Maryland	n.a.	n.a.	2.0	1.9	2.0	1.8	1.8	2.6	2.4	n.a.
Virginia	2.1	1.7	1.6	1.8	1.5	2.0	1.5	2.3	n.a.	n.a.
North Carolina ..	n.a.	n.a.	2.3	1.3	1.3	2.1	1.6	2.0	2.8	n.a.
Florida	n.a.	n.a.	n.a.	2.0	2.0	2.4	1.9	2.0	1.5	1.5
Illinois	1.4	2.4	2.8	2.8	2.6	3.0	3.0	n.a.	n.a.	n.a.
Indiana	n.a.	n.a.	n.a.	n.a.	2.6	2.4	2.3	2.6	3.2	1.3
Michigan	2.6	2.3	2.2	2.5	2.1	2.1	2.8	2.5	2.6	2.8
Wisconsin	2.6	2.2	2.5	2.8	2.8	2.7	2.7	3.1	3.0	2.9
Arkansas	2.2	2.6	2.4	1.8	1.9	n.a.	n.a.	3.1	2.8	2.2
Tennessee	2.5	2.1	2.0	1.9	1.6	1.6	1.1	2.5	2.6	1.8
Oklahoma	1.8	2.3	2.3	1.6	1.5	n.a.	n.a.	n.a.	n.a.	n.a.
Texas	1.7	2.1	2.6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Colorado	3.0	3.5	3.3	3.6	3.0	3.5	3.0	4.0	3.6	n.a.
Washington	3.1	n.a.	n.a.	2.6	3.1	3.9	3.8	3.0	3.5	3.1
Oregon	4.2	4.2	4.7	4.3	4.3	4.5	5.2	5.3	5.2	5.5
California	2.3	2.5	2.4	2.6	2.2	1.9	2.7	n.a.	n.a.	n.a.
For Freezing	2.6	2.7	2.7	2.7	2.5	2.6	2.9	3.3	3.2	3.1
For Canning	2.6	2.4	2.5	2.6	2.6	2.7	2.7	3.0	3.1	2.9
US PROC AV	2.6	2.4	2.5	2.6	2.6	2.7	2.8	3.1	3.2	3.0

n.a. — not available.

SNAP BEANS — PRODUCTION — 1,000 TONS (Rounded)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
New York	102.4	106.0	70.3	96.1	107.9	106.3	113.2	96.1	100.4	88.2
New Jersey	(a)	(a)	(a)	(a)	17.8	14.4	16.9	20.5	24.7	11.3
Pennsylvania	15.1	11.5	12.1	10.4	11.0	9.9	9.2	12.4	13.4	7.9
Delaware	(a)	(a)	(a)	14.6	22.2	12.2	12.4	(a)	(a)	(a)
Maryland	(a)	(a)	9.0	12.9	12.6	15.7	8.6	10.1	6.3	(a)
EAST†	117.5	117.5	91.4	133.9	171.4	158.4	160.3	139.0	144.8	107.4
Virginia	5.6	4.8	5.6	5.5	6.6	7.8	4.4	4.2	(a)	(a)
North Carolina ..	(a)	(a)	3.0	1.9	2.0	8.3	4.5	4.4	4.1	(a)
Florida	(a)	(a)	(a)	21.0	24.0	32.9	14.1	3.0	3.0	.9
SOUTHEAST† ..	5.6	4.8	8.6	28.3	32.6	49.1	23.0	11.6	7.1	.9
Illinois	12.2	21.2	21.4	20.2	24.0	28.4	20.1	(a)	(a)	(a)
Indiana	(a)	(a)	(a)	(a)	9.4	6.5	5.5	4.2	3.5	2.4
Michigan	35.6	30.0	30.4	41.3	34.5	36.0	38.4	36.2	36.6	41.4
Wisconsin	155.6	143.2	170.3	185.5	188.4	212.5	211.2	214.1	190.3	210.7
MID-WEST†	203.4	194.4	222.1	246.9	256.2	283.4	275.1	254.5	230.5	254.5
Arkansas	13.0	10.3	8.8	8.5	7.4	(a)	(a)	12.6	10.0	7.3
Tennessee	30.4	31.9	23.4	26.1	19.3	15.9	12.7	19.3	17.9	8.9
Oklahoma	2.6	5.1	5.3	3.6	1.3	(a)	(a)	(a)	(a)	(a)
Texas	9.4	9.5	8.3	(a)	(a)	(a)	(a)	(a)	(a)	(a)
SO. CENTRAL† .	55.3	56.8	45.8	38.2	28.0	15.9	12.7	31.9	27.9	16.3
Colorado	5.6	6.0	4.9	6.1	4.2	5.3	2.3	4.0	1.9	(a)
Washington	10.6	(a)	(a)	4.1	6.5	9.1	9.1	4.9	7.4	5.5
Oregon	183.2	137.1	136.3	140.2	152.1	172.4	160.5	144.4	133.4	123.7
California	16.1	18.2	11.3	15.7	16.1	13.9	12.1	(a)	(a)	(a)
WEST†	215.5	161.3	152.5	166.1	178.9	200.7	183.9	153.3	142.7	129.2
OTHER STS	151.2	130.5	70.7	62.2	49.6	61.5	49.1	81.9	90.8	79.2
For Freezing	162.4	134.6	124.1	156.6	173.6	167.4	160.6	184.5	193.8	178.4
For Canning	586.0	530.6	466.6	518.9	543.1	601.7	543.6	487.7	450.1	409.0
PROCESSING ...	748.4	665.2	590.7	675.5	716.6	769.1	704.2	672.2	643.9	587.4
FRESH MKT	146.0	159.0	159.2	148.2	146.1	146.4	152.2	146.3	n.a.	n.a.
TOTAL. U.S.	894.4	824.2	749.9	823.7	862.7	915.5	856.4	818.4	n.a.	n.a.

†Area totals do not include quantities in "OTHER STATES". (a) Included in "OTHER STATES".

PRINCIPAL VEGETABLE CROPS FOR PROCESSING — Cont.

SNAP BEANS — VALUE PER TON — DOLLARS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
New York	143.00	161.00	138.00	149.00	150.00	161.00	169.00	185.00	178.00	178.00
New Jersey	n.a.	n.a.	n.a.	n.a.	149.00	172.00	191.00	205.00	202.00	200.00
Pennsylvania	160.00	181.00	145.00	162.00	157.00	167.00	175.00	191.00	201.00	198.00
Delaware	n.a.	n.a.	n.a.	168.00	164.00	169.00	159.00	n.a.	n.a.	n.a.
Maryland	n.a.	n.a.	151.00	171.00	174.00	169.00	169.00	191.00	217.00	n.a.
Virginia	163.00	200.00	151.00	179.00	158.00	167.00	179.00	183.00	n.a.	n.a.
North Carolina	n.a.	n.a.	177.00	154.00	153.00	161.00	179.00	187.00	190.00	n.a.
Florida	n.a.	n.a.	n.a.	184.00	165.00	148.00	198.00	230.00	200.00	200.00
Illinois	146.00	151.00	132.00	142.00	146.00	139.00	152.00	n.a.	n.a.	n.a.
Indiana	n.a.	n.a.	n.a.	n.a.	162.00	182.00	144.00	140.00	129.00	177.00
Michigan	124.00	129.00	122.00	125.00	148.00	162.00	156.00	160.00	145.00	144.00
Wisconsin	119.00	136.00	134.00	128.00	132.00	137.00	134.00	146.00	137.00	140.00
Arkansas	162.00	144.00	148.00	120.00	103.00	n.a.	n.a.	164.00	165.00	186.00
Tennessee	153.00	160.00	156.00	166.00	175.00	183.00	211.00	211.00	204.00	200.00
Oklahoma	111.00	177.00	114.00	95.60	94.00	n.a.	n.a.	n.a.	n.a.	n.a.
Texas	115.00	170.00	155.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Colorado	127.00	127.00	133.00	126.00	128.00	126.00	142.00	152.00	142.00	n.a.
Washington	191.00	n.a.	n.a.	136.00	141.00	159.00	163.00	171.00	166.00	148.00
Oregon	207.00	148.00	133.00	152.00	142.00	153.00	155.00	158.00	169.00	159.00
California	195.00	199.00	199.00	186.00	212.00	206.00	237.00	n.a.	n.a.	n.a.
For Freezing	180.00	160.60	140.60	154.00	152.00	163.00	169.00	176.00	184.00	178.00
For Canning	151.00	151.70	138.10	143.00	144.00	150.00	152.00	162.00	158.00	153.00
US PROC AV	157.00	153.50	138.60	145.00	146.00	153.00	156.00	166.00	166.00	160.00

n.a. — not available.

SNAP BEANS — TOTAL VALUE — 1,000 DOLLARS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
New York	14,643	17,066	9,701	14,320	16,178	17,106	19,134	17,775	17,869	15,703
New Jersey	(a)	(a)	(a)	(a)	2,652	2,480	3,228	4,203	4,997	2,256
Pennsylvania	2,408	2,082	1,747	1,681	1,722	1,657	1,601	2,365	2,691	1,568
Delaware	(a)	(a)	(a)	2,444	3,633	2,062	1,972	(a)	(a)	(a)
Maryland	(a)	(a)	1,359	2,206	2,192	2,645	1,457	1,921	1,371	(a)
EAST†	17,051	19,148	12,807	20,651	26,377	25,950	27,392	26,264	26,928	19,527
Virginia	913	960	838	975	1,043	1,303	789	770	(a)	(a)
North Carolina	(a)	(a)	522	285	306	1,340	809	823	785	(a)
Florida	(a)	(a)	(a)	3,864	3,960	4,875	2,790	690	600	180
SOUTHEAST†	913	960	1,360	5,124	5,309	7,518	4,388	2,283	1,385	180
Illinois	1,781	3,194	2,825	2,861	3,504	3,949	3,049	(a)	(a)	(a)
Indiana	(a)	(a)	(a)	(a)	1,515	1,188	798	589	455	421
Michigan	4,414	3,870	3,709	5,163	5,099	5,829	5,984	5,789	5,313	5,967
Wisconsin	18,510	19,475	22,814	23,738	24,862	29,115	28,298	31,260	26,068	29,495
MID-WEST†	24,705	26,539	29,348	31,762	34,980	40,081	38,129	37,638	31,836	35,883
Arkansas	2,106	1,483	1,295	1,014	757	(a)	(a)	2,071	1,657	1,363
Tennessee	4,644	5,104	3,643	4,340	3,378	2,917	2,682	4,072	3,645	1,784
Oklahoma	283	902	604	344	122	(a)	(a)	(a)	(a)	(a)
Texas	1,081	1,615	1,279	(a)	(a)	(a)	(a)	(a)	(a)	(a)
S. CENTRAL†	8,114	9,104	6,821	5,698	4,257	2,917	2,682	6,143	5,302	3,147
Colorado	711	762	652	762	538	668	331	608	273	(a)
Washington	2,015	(a)	(a)	558	917	1,441	1,478	829	1,227	815
Oregon	37,922	20,291	18,121	21,310	21,570	26,380	24,874	22,815	22,541	19,660
California	3,140	3,612	2,250	2,925	3,398	2,872	2,858	(a)	(a)	(a)
WEST†	43,788	24,665	21,023	25,555	26,423	31,361	29,541	24,252	24,041	20,475
OTHER STS	23,083	21,680	10,536	9,380	7,284	10,042	7,902	14,814	17,118	15,044
For Freezing	29,253	21,616	17,443	24,054	26,299	27,360	27,214	32,559	35,700	31,702
For Canning	88,401	80,480	64,452	74,116	78,331	90,509	82,820	78,835	70,910	62,554
T. US PROC	117,654	102,096	81,895	98,170	104,630	117,869	110,034	111,394	106,610	94,256

†Area totals do not include values in "OTHER STATES". (a) Included in "OTHER STATES".

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

BEETS—HARVESTED ACREAGE—1,000 ACRES(Rounded)*

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
New York	4.2	5.1	4.9	4.7	3.6	5.0	5.0	3.8	3.2	3.5
Michigan	(a)	(a)	(a)	(a)	(a)	(a)	.....	(a)	.....	(a)
Wisconsin	6.6	8.1	7.3	6.3	6.9	7.6	8.1	5.3	4.5	5.6
Texas	2.8	1.9	2.9	1.6	(a)	(a)	(a)	(a)	(a)	(a)
Oregon	(a)	(a)	(a)	(a)	(a)	(a)	2.2	1.9	(a)	(a)
Other States	2.8	3.4	3.0	1.9	3.6	4.7	2.1	2.3	2.3	2.6
PROCESSING ...	16.4	18.5	18.1	14.5	14.1	17.3	17.4	13.3	10.0	11.7

*PLEASE NOTE: Survey discontinued with 1981 data. 1982 is not harvested acreage but represents only planting intentions as of March 23, 1982. These estimates are based on reports made by processors prior to planting and represent area contracted or intentions to contract as well as intended area grown by processing firms for their own use. Does not include acreage allowance for open market procurement. Weather conditions and publication of these figures by U.S.D.A. often cause change in plans. Also it should be considered that a number of *planted* acres are abandoned each year. 1975 harvested acreage was 9.1% less than "intentions"; 1976—.7% greater; 1977—17.1% less; 1978—.6% greater; 1979—1.2% greater; 1980—15.8% less; 1981—13.0% less. (a) Included in "Other States".

BEETS—YIELD PER ACRE—TONS(Rounded)

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
New York	13.8	15.7	16.9	15.5	12.0	14.3	14.5	15.8	17.1	17.9
Michigan	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Wisconsin	14.0	9.2	10.7	12.4	9.3	13.8	12.4	12.9	14.7	13.4
Texas	8.5	7.8	7.4	6.7	6.5	(a)	(a)	(a)	(a)	(a)
Oregon	(a)	(a)	(a)	(a)	(a)	(a)	(a)	20.7	17.4	(a)
Other States	14.0	18.7	16.0	15.3	17.0	16.5	11.7	9.7	12.6	16.8
U.S. PROC. AV. .	13.0	12.3	13.0	12.8	10.9	14.6	12.8	14.3	15.4	15.6

BEETS—PRODUCTION—1,000 TONS(Rounded)

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
New York	48.2	66.0	86.2	76.1	56.5	51.6	72.5	79.1	65.1	57.1
Michigan	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Wisconsin	63.0	60.6	86.3	90.3	58.4	95.0	94.0	104.2	77.8	60.1
Texas	17.9	21.9	14.0	19.3	10.5	(a)	(a)	(a)	(a)	(a)
Oregon	(a)	(a)	(a)	(a)	(a)	(a)	(a)	45.6	33.0	(a)
Other States	35.9	52.4	54.7	45.5	32.1	59.6	55.1	20.9	29.4	38.5
PROCESSING ...	164.9	200.9	241.1	231.1	157.4	206.2	221.6	249.7	205.4	155.7

BEETS—VALUE PER TON—DOLLARS

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
New York	21.10	27.00	36.30	38.30	35.30	35.00	40.10	37.30	43.10	44.10
Michigan	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Wisconsin	22.20	26.20	34.20	36.60	35.90	36.60	36.30	40.60	39.90	41.50
Texas	28.60	24.30	30.70	36.60	34.00	(a)	(a)	(a)	(a)	(a)
Oregon	(a)	(a)	(a)	(a)	(a)	(a)	(a)	49.50	64.80	(a)
Other States	27.40	30.90	61.80	41.70	50.30	52.00	44.90	52.80	55.60	60.70
U.S. PROC AV ..	23.70	27.50	41.00	38.20	38.50	40.70	39.70	42.20	47.20	47.20

BEETS—TOTAL VALUE—1,000 DOLLARS

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
New York	1,017	1,782	3,129	2,913	1,993	1,806	2,907	2,950	2,807	2,519
Michigan	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Wisconsin	1,399	1,588	2,950	3,305	2,097	3,477	3,412	4,229	3,104	2,495
Texas	511	531	430	706	355	(a)	(a)	(a)	(a)	(a)
Oregon	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2,257	2,138	(a)
Other States	983	1,619	3,378	1,894	1,612	3,100	2,474	1,100	1,636	2,334
T. US PROC	3,910	5,520	9,887	8,818	6,057	8,383	8,793	10,536	9,685	7,348

*Survey discontinued with 1981 data. (a) Included in "Other States".

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

CABBAGE FOR KRAUT—HARVESTED ACREAGE—1,000 ACRES

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
Colorado	(a)	(a)	(a)	(a)	.1	.1	.1	.1	.1	....
New York	3.4	4.3	4.5	4.0	3.9	4.1	4.0	3.4	3.4	3.5
Ohio	1.2	1.4	1.1	.9	1.0	1.1	1.3	1.2	1.1	1.4
Wisconsin	3.3	3.8	4.2	3.5	4.2	3.5	3.2	3.1	2.9	3.5
Other States	2.9	3.5	4.1	3.4	2.3	1.8	2.0	2.0	1.7	1.8
FOR KRAUT	10.8	13.0	13.9	11.8	11.5	10.5	10.6	9.8	9.1	10.2
FRESH MKT	94.4	97.6	93.5	92.0	87.9	81.5	86.4	82.8	84.8	82.5
TOT. US	105.2	110.6	107.4	103.8	99.4	92.0	97.0	92.6	93.9	92.6

CABBAGE FOR KRAUT—YIELD PER ACRE—TONS

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
Colorado	(a)	(a)	(a)	(a)	38.0	35.0	22.0	25.5	17.5	....
New York	18.8	18.7	23.6	22.6	20.9	22.2	20.5	25.2	24.7	25.6
Ohio	19.7	16.0	23.6	18.6	23.5	24.8	24.9	28.7	24.5	21.9
Wisconsin	18.6	15.2	16.4	20.3	18.2	21.3	18.6	23.5	22.0	26.2
Other States	17.0	16.6	19.6	18.1	20.9	22.5	21.1	21.2	20.5	19.4
U.S. AVG	18.3	16.8	20.2	20.3	20.2	22.3	20.6	24.3	22.9	24.2

CABBAGE FOR KRAUT—PRODUCTION—1,000 TONS

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
Colorado	(a)	(a)	(a)	(a)	1.9	2.5	2.2	2.6	.7	.....
New York	63.9	80.3	106.3	90.3	81.6	91.0	82.0	85.7	83.8	89.6
Ohio	23.7	22.5	26.0	16.7	23.5	27.3	32.4	34.4	26.9	30.6
Wisconsin	61.3	57.6	68.8	71.2	76.6	74.5	59.6	72.8	63.7	91.7
Other States	49.3	58.9	80.4	61.7	48.5	39.6	41.6	42.4	34.0	34.2
FOR KRAUT	198.1	219.2	281.5	239.8	232.1	234.8	217.8	237.8	209.0	246.1
FRESH MKT	930.6	995.3	985.6	1,009.5	956.1	958.7	1,006.3	968.5	942.5	990.4
TOT. U.S.	1,128.7	1,214.5	1,267.1	1,249.3	1,188.2	1,193.5	1,224.0	1,206.3	1,151.5	1,236.4

CABBAGE FOR KRAUT—VALUE PER TON—DOLLARS

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
Colorado	(a)	(a)	(a)	(a)	32.10	41.60	27.00	27.10	30.00	.....
New York	24.40	26.90	30.60	31.80	30.80	29.90	29.90	29.60	31.50	35.70
Ohio	19.40	22.40	33.10	31.10	31.20	30.50	32.70	33.30	35.90	37.90
Wisconsin	19.60	23.80	28.90	27.30	28.80	29.30	30.40	30.60	33.50	34.50
Other States	20.80	23.60	32.60	35.60	35.50	33.60	35.50	37.50	40.60	45.80
U. S. AVG	21.40	24.80	31.00	31.40	31.20	30.50	31.50	31.60	34.10	36.80

CABBAGE FOR KRAUT—TOTAL VALUE—1,000 DOLLARS

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
Colorado	(a)	(a)	(a)	(a)	61	102	59	69	21	.....
New York	1,559	2,159	3,253	2,870	2,513	2,719	2,452	2,536	2,640	3,199
Ohio	459	503	861	519	733	833	1,059	1,146	966	1,160
Wisconsin	1,201	1,370	1,987	1,942	2,205	2,181	1,810	2,228	2,132	3,164
Other States	1,026	1,392	2,619	2,194	1,723	1,331	1,477	1,546	1,362	1,522
FOR KRAUT.....	4,245	5,424	8,720	7,525	7,235	7,166	6,857	7,525	7,121	9,045
TOT. U.S.........	78,641	122,368	98,160	114,250	116,865	172,409	175,211	161,053	158,224	149,549

*Survey discontinued with 1981 data. (a) Included in "Other States".

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

SWEET CORN—HARVESTED ACREAGE—1,000 ACRES

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
New York........	17.9	22.5	21.0	17.0	20.3	20.5	17.0	21.1	24.6	25.5
Pennsylvania.....	6.9	6.0	5.1	5.0	4.4	3.9	4.0	4.1	4.5	3.7
Delaware........	1.7	1.7	1.8	(a)	2.3	3.1	2.4	3.0	3.9	4.0
Maryland........	13.9	14.5	13.7	12.9	11.5	10.3	10.6	8.1	8.6	9.2
EAST†..........	40.4	44.7	41.6	34.9	38.5	37.8	34.0	36.3	41.6	42.4
Illinois...........	56.7	59.7	52.6	45.9	48.4	44.0	37.8	38.3	38.4	34.5
Wisconsin........	118.1	142.0	129.7	130.7	110.8	121.4	106.1	113.4	122.2	117.9
Minnesota.......	111.1	120.8	116.5	120.0	111.5	98.3	101.2	105.2	119.3	108.4
Iowa............	12.1	14.6	10.4	9.2	6.7	5.0	3.1	3.9	(a)	(a)
MIDWEST†.....	298.0	337.1	309.2	305.8	277.4	268.7	248.2	260.8	279.9	260.8
Idaho............	27.2	26.8	23.6	24.5	23.8	23.8	17.8	19.3	21.5	14.1
Washington......	41.6	44.4	36.1	36.8	40.7	40.5	36.7	41.8	51.7	36.9
Oregon..........	41.4	41.3	39.9	40.9	40.2	37.8	33.7	39.9	45.5	38.8
WEST†.........	110.2	112.5	99.6	102.2	104.7	102.1	88.2	101.0	118.7	89.8
OTHER STS.....	13.6	14.4	10.6	11.1	9.0	9.0	7.0	2.9	6.7	5.7
For Freezing...	127.1	127.9	121.1	132.6	131.4	119.7	112.5	126.9	156.7	132.3
For Canning...	335.0	380.8	339.9	321.4	298.2	297.9	264.9	274.1	290.3	266.4
PROCESSING...	462.2	508.7	461.0	454.0	429.6	417.6	377.4	401.0	446.9	398.7
FRESH MKT....	177.4	179.4	184.1	176.8	181.1	178.4	175.5	176.9	176.3	180.8
TOT. U.S.........	639.6	688.1	645.1	630.8	610.7	596.0	552.9	577.9	623.2	579.5

† Area totals do not include quantities in "OTHER STATES". (a) Included in "OTHER STATES". n.a. Not available.

SWEET CORN—YIELD PER ACRE—TONS IN HUSK

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
New York.......	(a)	4.64	3.94	5.68	4.90	5.33	5.05	4.66	5.27	5.21
Pennsylvania....	3.57	3.33	3.42	3.34	3.84	2.91	3.54	3.21	3.61	2.48
Delaware........	3.60	4.21	3.61	(a)	4.56	5.17	4.90	3.14	5.28	4.58
Maryland.......	3.37	3.88	3.65	3.53	4.34	4.61	3.41	4.17	4.61	3.47
Illinois..........	3.58	4.63	4.64	4.91	5.10	5.72	4.26	5.51	4.88	4.19
Wisconsin.......	3.83	3.65	4.19	4.56	4.55	4.73	4.84	5.24	4.60	4.82
Minnesota.......	4.19	4.18	4.32	5.40	5.75	5.72	5.42	5.45	5.73	4.60
Iowa............	4.33	4.15	3.99	5.04	5.37	5.40	5.83	5.67	(a)	(a)
Idaho...........	5.62	6.01	6.90	5.77	6.63	7.95	8.19	7.75	8.71	8.32
Washington.....	5.89	6.97	6.26	6.05	7.71	7.77	8.31	7.96	9.08	9.02
Oregon..........	7.23	7.73	7.84	7.38	7.96	8.53	8.68	8.11	9.01	8.55
Other States....	3.86	3.91	3.97	3.26	4.23	4.24	3.67	5.82	5.16	4.37
For Freezing..	5.37	5.85	5.60	6.00	6.55	6.95	6.84	6.56	7.20	6.70
For Canning...	4.14	4.32	4.58	4.92	5.28	5.48	5.24	5.64	5.56	4.97
U.S. PROC. AV..	4.48	4.70	4.84	5.23	5.67	5.90	5.72	5.93	6.13	5.54

(a) Included in "Other States".

SWEET CORN—PRODUCTION—1,000 TONS IN HUSK

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
New York	74.3	104.4	82.8	96.5	99.5	109.3	85.9	98.3	129.6	132.9
Pennsylvania	24.7	20.0	17.5	16.7	16.9	11.4	14.2	13.2	16.3	9.2
Delaware	6.1	7.2	6.5	(a)	10.5	16.0	11.8	9.4	20.6	18.3
Maryland	46.9	56.3	50.0	45.6	49.9	47.5	36.2	33.8	39.7	31.9
EAST†	151.9	187.8	156.8	158.8	176.8	184.1	147.9	154.7	206.1	192.3
Illinois	203.0	276.4	244.3	225.4	246.9	251.7	161.0	211.0	187.4	144.6
Wisconsin	452.3	517.7	543.9	596.0	504.2	574.2	513.5	594.2	562.1	568.3
Minnesota	465.5	504.5	503.2	648.0	641.1	562.3	548.5	573.3	683.6	498.6
Iowa	52.4	60.7	41.5	46.4	36.0	27.0	18.1	22.1	(a)	(a)
MID-WEST†	1,173.2	1,359.3	1,332.8	1,515.8	1,428.1	1,415.2	1,241.1	1,400.7	1,433.1	1,211.5
Idaho	152.9	161.1	162.9	141.3	157.9	189.2	145.8	149.6	187.3	117.3
Washington	245.0	309.5	226.0	222.7	313.8	314.7	305.0	332.7	469.4	332.8
Oregon	299.4	319.2	312.8	301.7	320.0	322.4	292.5	323.6	410.0	331.7
WEST†	697.3	789.8	701.7	665.7	791.7	826.3	743.3	805.9	1,066.7	781.9
OTHER STS†	47.1	56.4	42.1	36.1	38.1	38.3	25.7	16.9	34.6	24.9
For Freezing ..	683.1	748.8	677.7	796.0	860.2	832.4	769.4	832.0	1,126.9	886.0
For Canning ...	1,386.4	1,644.3	1,555.4	1,580.3	1,574.6	1,631.5	1,388.6	1,546.2	1,613.5	1,324.6
PROCESSING ...	2,069.5	2,393.1	2,233.1	2,376.2	2,434.7	2,463.9	2,158.0	2,378.2	2,740.5	2,210.6
FRESH MKT	695.5	719.9	746.1	717.2	703.1	696.5	695.6	690.3	684.8	704.2
TOT. U.S.	2,765.0	3,113.0	2,979.2	3,093.4	3,137.8	3,160.4	2,853.6	3,068.5	3,425.3	2,914.8

SWEET CORN—VALUE PER TON—DOLLARS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
New York	53.60	70.60	45.40	45.70	45.00	47.00	48.90	62.10	64.80	66.10
Pennsylvania	54.10	58.60	50.50	49.40	42.80	43.30	49.10	66.10	58.00	52.50
Delaware	49.50	74.50	51.00	(a)	75.50	67.30	85.40	79.50	58.00	65.20
Maryland	51.40	72.40	52.80	57.90	61.30	57.00	67.60	76.50	57.20	65.90
Illinois	54.30	54.60	50.50	52.80	51.00	51.90	63.50	76.60	68.10	66.30
Wisconsin	42.00	41.40	40.20	42.30	41.40	40.50	44.70	60.10	50.50	56.40
Minnesota	45.10	46.70	43.80	46.00	45.40	46.70	50.00	57.30	56.30	52.90
Iowa	37.70	45.60	48.20	45.80	45.90	48.50	50.60	47.80	(a)	(a)
Idaho	55.90	57.80	51.20	48.70	55.50	52.90	54.70	64.50	64.00	61.70
Washington	75.40	64.00	59.50	56.80	59.10	66.50	60.30	64.60	70.60	60.30
Oregon	73.70	61.70	57.30	64.40	58.60	62.70	62.30	67.00	70.50	68.50
Other States	51.00	60.70	51.10	55.70	55.70	51.90	53.60	66.90	49.10	60.00
For Freezing ..	66.70	62.70	54.70	56.80	55.40	59.50	57.10	62.90	67.40	62.00
For Canning ...	48.20	49.40	45.40	46.00	46.80	47.10	51.80	63.20	57.10	58.30
US PROC AV	54.30	53.60	48.20	49.60	49.90	51.30	53.70	63.10	61.40	59.80

†Area totals do not include quantities in "OTHER STATES". (a) Included in "OTHER STATES".

SWEET CORN—TOTAL VALUE—1,000 DOLLARS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
New York	3,982	7,371	3,757	4,408	4,478	5,135	4,198	6,106	8,401	8,782
Pennsylvania	1,334	1,172	882	825	723	491	695	870	943	479
Delaware	302	533	332	(a)	793	1,079	1,005	749	1,194	1,194
Maryland	2,408	4,073	2,640	2,637	3,059	2,706	2,444	2,584	2,268	2,104
EAST†	8,026	13,149	7,611	7,870	9,053	9,411	8,342	10,309	12,806	12,559
Illinois	11,023	15,091	12,335	11,898	12,589	13,062	10,225	16,165	12,761	9,584
Wisconsin	18,997	21,433	21,863	25,211	20,872	23,256	22,954	35,713	28,387	32,051
Minnesota	20,994	23,560	22,040	29,808	29,106	26,258	27,425	32,852	38,486	26,378
Iowa	1,975	2,766	1,998	2,125	1,652	1,310	914	1,057	(a)	(a)
MID-WEST†	52,989	62,850	58,236	69,042	64,219	63,886	61,518	85,787	79,634	68,013
Idaho	8,544	9,309	8,338	6,882	8,763	10,009	7,974	9,648	11,985	7,238
Washington	18,473	19,805	13,447	12,647	18,546	20,927	18,390	21,494	33,142	20,070
Oregon	22,066	19,695	17,921	19,429	18,740	20,216	18,224	21,681	28,902	22,724
WEST†	49,083	48,809	39,706	38,958	46,049	51,152	44,588	52,823	74,029	50,032
OTHER STS†	2,208	3,419	2,150	2,009	2,124	1,990	1,378	1,129	1,696	1,494
For Freezing ..	45,542	46,965	37,084	45,225	47,692	49,518	43,941	52,355	75,961	54,896
For Canning ...	66,764	81,262	70,619	72,654	73,753	76,921	71,885	97,693	92,204	77,202
T. US PROC	112,306	128,227	107,703	117,879	121,445	126,439	115, 826	150,048	168,165	132,098

†Area totals do not include values in "OTHER STATES". (a) Included in "OTHER STATES".

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

CUCUMBERS FOR PICKLES—HARVESTED ACREAGE—1,000 ACRES

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
Indiana	1.9	2.0	2.8	1.4	1.4	1.0	.9	.9	.7	1.0
Michigan	26.4	27.4	27.6	25.5	24.5	26.5	25.5	18.9	15.5	16.6
New Jersey	(a)	2.4	2.8	1.8	1.4	1.6	1.4	1.4	1.1	.6
Ohio	6.2	6.8	6.9	6.2	6.4	6.4	6.4	6.1	5.2	5.0
Wisconsin	10.4	11.4	10.2	10.1	9.4	11.1	10.3	9.5	7.1	8.1
NORTHERN† ...	44.9	50.0	50.3	45.0	43.1	46.6	44.5	36.8	29.6	31.3
Alabama	(a)	(a)	(a)	4.3	3.8	5.6	(a)	(a)	(a)	(a)
Florida	(a)	(a)	(a)	(a)	5.7	6.2	6.3	7.2	5.0	2.8
Delaware	(a)	(a)	(a)	(a)	1.4	1.2	1.8	1.6	1.7	1.5
Maryland	2.4	2.6	3.5	3.6	2.8	2.9	2.9	3.0	2.5	2.8
Mississippi	7.1	6.9	4.8	5.0	3.6	(a)	(a)	(a)	(a)	(a)
N. Carolina	27.5	28.8	29.5	27.7	28.0	29.5	28.5	25.8	25.5	17.6
S. Carolina	8.7	8.3	9.2	7.7	8.7	9.7	10.9	8.2	10.4	8.5
Texas	4.9	5.7	7.1	6.0	5.4	7.0	8.3	9.4	4.8	6.5
Virginia	3.8	4.6	3.9	2.7	2.8	3.6	2.3	3.2	1.8	(a)
SOUTHERN† ...	54.4	56.9	58.0	57.0	62.2	65.7	61.0	58.4	51.7	39.7
California	5.4	3.9	5.5	4.8	4.3	3.9	4.4	3.6	3.4	3.3
Colorado	2.2	2.5	2.4	2.4	1.6	2.2	2.2	2.6	1.8	(a)
Oregon	(a)	(a)	(a)	(a)	1.3	1.5	1.5	1.6	1.4	1.3
Washington	1.1	1.6	1.8	1.7	1.8	1.8	1.3	1.4	1.5	1.6
WESTERN†	8.7	8.0	9.7	8.9	9.0	9.4	9.4	9.2	8.1	6.2
OTHER STATES	17.9	17.1	22.2	17.5	9.5	12.8	16.7	12.0	8.2	9.3
PROCESSING ...	125.9	132.0	140.2	128.4	123.8	134.4	131.7	116.4	97.5	86.5
FRESH MKT	43.9	45.7	47.5	49.1	51.9	53.8	50.7	54.2	51.4	n.a.
TOTAL U.S.	169.8	177.7	187.7	177.5	175.7	188.2	182.4	170.6	148.9	n.a.

(a) Included in "OTHER STATES". † Area totals do not include quantities in "OTHER STATES". n.a. Not available. *Survey discontinued with 1981 data. Planting intentions only as of March 23, 1982. These estimates are based on reports made by processors prior to planting and represent area contracted or intentions to contract as well as intended area grown by processing firms for their own use. Does not include acreage allowance for open market procurement. Weather conditions and publication of these figures often cause change in plans. 1975 harvested acreage was 2.1% greater than "intentions"; 1976—6.7% greater; 1977—10.9% greater; 1978—15.7% greater; 1979—4.0% greater; 1980—7.8% greater; 1981—4.4% less.

CUCUMBERS FOR PICKLES—YIELD PER ACRE—TONS

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
Indiana	7.90	6.50	4.90	5.10	8.20	6.96	9.68	7.03	7.29	10.26
Michigan	3.76	4.07	4.23	4.68	4.05	4.65	4.75	4.62	5.56	6.50
New Jersey	n.a.	n.a.	9.06	7.16	8.58	9.43	9.19	6.86	8.00	9.51
Ohio	9.42	7.33	7.69	9.03	10.81	11.12	10.58	12.53	10.25	12.24
Wisconsin	4.77	4.91	3.91	4.25	4.41	6.23	5.50	6.21	5.65	6.74
Alabama	n.a.	n.a.	n.a.	n.a.	4.60	1.75	1.33	n.a.	n.a.	n.a.
Florida	n.a.	n.a.	n.a.	n.a.	n.a.	4.25	4.26	4.50	4.00	4.00
Delaware	n.a.	n.a.	n.a.	n.a.	n.a.	4.61	7.58	4.27	4.50	4.41
Maryland	5.26	6.96	6.08	7.90	5.50	6.95	6.81	9.32	8.75	11.37
Mississippi	2.63	2.38	2.43	2.85	2.40	1.7	n.a.	n.a.	n.a.	n.a.
N. Carolina	2.50	3.09	2.40	2.71	2.82	2.60	2.62	2.81	3.43	3.20
S. Carolina	2.94	3.08	2.50	2.98	2.47	2.87	3.06	2.46	2.75	2.65
Texas	6.93	5.73	5.14	4.54	6.31	7.15	7.94	4.42	4.36	4.96
Virginia	2.95	4.50	3.76	5.28	5.15	3.07	5.61	4.89	3.25	3.37
California	12.05	12.04	15.42	12.52	14.80	14.37	15.80	15.64	14.60	18.59
Colorado	6.40	7.30	9.40	7.40	9.19	10.78	7.95	8.34	8.85	9.00
Oregon	n.a.	n.a.	n.a.	n.a.	n.a.	10.12	11.77	11.55	11.77	15.40
Washington	10.00	9.50	10.09	10.28	10.85	10.08	10.03	10.62	9.84	10.15
U.S. PROC. AV ..	4.43	4.76	4.52	4.81	4.94	5.04	5.10	5.08	5.23	5.90

*Survey discontinued with 1981 data. n.a. Not available.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

CUCUMBERS FOR PICKLES—PRODUCTION—1,000 TONS (Rounded)

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
Indiana	8.7	12.4	9.8	14.3	11.5	9.8	9.2	6.6	6.9	6.8
Michigan	97.8	107.5	115.9	129.2	103.3	114.0	126.0	117.8	105.1	100.8
New Jersey	(a)	(a)	21.8	20.1	15.5	13.2	14.7	9.6	11.2	10.5
Ohio	51.8	45.5	52.3	62.3	67.0	71.2	67.7	80.2	62.5	63.7
Wisconsin	43.0	51.1	44.6	43.4	44.5	58.6	61.1	64.0	53.7	47.9
NORTHERN	201.3	216.3	244.3	269.2	241.8	266.8	278.7	278.2	239.3	229.5
Alabama	(a)	(a)	(a)	(a)	19.8	6.7	7.5	(a)	(a)	(a)
Florida	(a)	(a)	(a)	(a)	(a)	24.3	26.4	28.4	28.8	20.0
Delaware	(a)	(a)	(a)	(a)	(a)	6.5	9.1	7.7	7.2	7.5
Maryland	14.2	16.7	15.8	27.7	19.8	19.5	19.8	27.0	26.3	28.4
Mississippi	21.0	16.9	16.8	13.7	12.0	6.1	(a)	(a)	(a)	(a)
N. Carolina	67.5	85.0	69.1	79.8	78.1	72.9	77.3	80.1	88.5	81.6
S. Carolina	30.6	26.8	20.8	27.5	19.1	25.0	29.7	26.8	22.6	27.6
Texas	29.8	28.1	29.3	32.2	37.9	38.6	55.6	36.7	41.0	23.8
Virginia	10.9	17.1	17.3	20.6	13.9	8.6	20.2	11.3	10.4	6.1
SOUTHERN	174.0	190.6	169.1	201.4	200.5	208.0	245.5	217.9	224.7	195.0
California	67.5	65.0	60.2	68.9	71.1	61.8	61.6	68.8	52.6	63.2
Colorado	16.7	16.1	23.5	17.8	22.1	17.3	17.5	18.4	23.0	16.2
Oregon	(a)	(a)	(a)	(a)	(a)	13.2	17.7	17.3	18.8	21.6
Washington	14.0	10.5	16.2	18.5	18.5	18.2	18.1	13.8	13.8	15.2
WESTERN	98.2	91.5	99.8	105.1	111.6	110.4	114.8	118.3	108.2	116.2
OTHER STATES	97.8	100.4	83.9	98.6	80.0	38.9	46.5	54.6	37.0	34.7
PROCESSING	571.2	598.8	597.0	674.3	633.8	623.9	685.5	669.0	609.2	575.4
FRESH MKT	235.1	210.3	233.8	248.5	255.5	282.4	296.6	296.1	307.2	301.9
TOT. U.S.	806.3	809.1	830.8	922.8	889.3	906.3	982.1	965.1	916.3	877.2

*Survey discontinued with 1981 data. (a) Included in "OTHER STATES".

CUCUMBERS FOR PICKLES—VALUE PER TON—DOLLARS

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
Indiana	80.00	80.00	122.00	112.00	104.00	108.00	142.00	126.00	119.00	121.00
Michigan	85.80	88.20	125.00	124.00	112.00	109.00	120.00	132.00	125.00	135.00
New Jersey	n.a.	n.a.	152.00	138.00	135.00	132.00	157.00	154.00	167.00	165.00
Ohio	108.00	102.00	158.00	148.00	145.00	132.00	132.00	150.00	168.00	189.00
Wisconsin	90.00	102.00	128.00	122.00	117.00	127.00	106.00	146.00	170.00	142.00
Alabama	n.a.	n.a.	n.a.	n.a.	118.00	163.00	114.00	n.a.	n.a.	n.a.
Florida	n.a.	n.a.	n.a.	n.a.	n.a.	174.00	183.00	197.00	364.00	294.00
Delaware	n.a.	n.a.	n.a.	n.a.	n.a.	102.00	107.00	128.00	147.00	156.00
Maryland	82.10	89.70	122.00	118.00	113.00	112.00	117.00	113.00	138.00	162.00
Mississippi	111.00	114.00	156.00	150.00	111.00	143.00	n.a.	n.a.	n.a.	n.a.
N. Carolina	117.00	105.00	138.00	133.00	139.00	132.00	128.00	156.00	174.00	195.00
S. Carolina	85.60	87.60	115.00	117.00	135.00	141.00	156.00	158.00	176.00	182.00
Texas	76.90	106.00	123.00	144.00	129.00	139.00	130.00	173.00	186.00	248.00
Virginia	64.60	99.40	131.00	130.00	124.00	119.00	123.00	120.00	125.00	143.00
California	93.10	93.40	124.00	127.00	126.00	120.00	137.00	147.00	165.00	199.00
Colorado	91.50	112.00	100.00	93.60	78.50	108.00	131.00	105.00	149.00	130.00
Oregon	n.a.	n.a.	n.a.	n.a.	n.a.	126.00	136.00	137.00	144.00	157.00
Washington	85.00	99.60	112.00	130.00	128.00	126.00	133.00	135.00	145.00	159.00
U.S. PROC. AV	94.00	99.30	131.00	128.60	126.00	126.00	130.00	145.00	166.00	175.00

*Survey discontinued with 1981 data. n.a. Not available.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

CUCUMBERS FOR PICKLES—TOTAL VALUE—1,000 DOLLARS

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
Indiana	696	988	1,196	1,602	1,196	1,053	1,306	833	815	819
Michigan	8,391	9,477	14,488	16,021	11,570	12,426	15,120	15,551	13,135	13,601
New Jersey	(a)	(a)	3,306	2,767	2,086	1,742	2,308	1,478	1,870	1,726
Ohio	5,594	4,636	8,263	9,238	9,715	9,398	8,936	12,030	10,505	12,030
Wisconsin	3,866	5,207	5,702	5,289	5,207	7,436	6,471	9,340	9,126	6,795
NORTHERN†	18,547	20,308	32,955	34,917	29,774	32,055	34,141	39,232	35,451	34,971
Alabama	(a)	(a)	(a)	(a)	2,350	1,084	849	(a)	(a)	(a)
Florida	(a)	(a)	(a)	(a)	(a)	4,210	4,831	5,585	10,483	5,880
Delaware	(a)	(a)	(a)	(a)	(a)	658	974	984	1,058	1,170
Maryland	1,166	1,498	1,928	3,263	2,237	2,178	2,311	3,054	3,623	4,606
Mississippi	2,331	1,927	2,621	2,055	1,332	872	(a)	(a)	(a)	(a)
N. Carolina	7,898	8,925	9,536	10,613	10,856	9,623	9,894	12,494	15,397	15,912
S. Carolina	2,619	2,348	2,386	3,208	2,581	3,510	4,615	4,236	3,969	5,016
Texas	2,292	2,979	3,604	4,637	4,883	5,382	7,228	6,347	7,622	5,905
Virginia	704	1,700	2,266	2,672	1,729	1,023	2,485	1,350	1,300	868
SOUTHERN†	17,010	19,377	22,341	26,448	25,968	28,540	33,187	34,050	43,452	39,357
California	6,284	6,071	7,459	8,744	8,958	7,425	8,439	10,117	8,672	12,579
Colorado	1,523	1,798	2,350	1,661	1,731	1,863	2,293	1,927	3,428	2,106
Oregon	(a)	(a)	(a)	(a)	(a)	1,657	2,400	2,374	2,712	3,385
Washington	1,190	1,041	1,809	2,405	2,362	2,287	2,401	1,863	1,998	2,422
WESTERN†	8,997	8,910	11,618	12,810	13,051	13,232	15,533	16,281	16,810	20,492
OTHER STATES	9,106	10,853	11,040	12,555	10,958	4,824	5,953	7,623	5,551	5,809
PROCESSING	53,660	59,448	77,954	86,730	79,751	78,651	88,814	97,186	101,264	100,629

* Survey discontinued with 1981 data. (a) Included in "OTHER STATES". † Area totals do not include quantities in "OTHER STATES".

PEAS, GREEN—HARVESTED ACREAGE—1,000 ACRES (Rounded)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Delaware	11.9	10.9	9.0	8.7	8.5	10.0	5.8	7.8	7.9	9.4
Maryland	6.0	5.7	6.3	5.4	6.0	7.6	4.0	4.2	3.1	2.9
New York	6.8	6.4	4.1	5.2	5.7	6.2	6.0	7.8	8.8	9.2
EAST†	24.7	23.0	19.4	19.3	20.2	23.8	15.8	19.8	19.8	21.5
Michigan	3.8	3.8	(a)	4.9	4.3	(a)	(a)	(a)	(a)	(a)
Minnesota	69.5	70.8	72.3	65.6	67.9	73.0	66.3	56.8	60.8	64.2
Wisconsin	129.8	133.1	117.2	107.5	97.0	109.6	101.1	84.2	79.1	81.0
MID-WEST†	203.1	207.7	189.5	178.0	169.2	182.6	167.4	141.0	139.9	145.2
California	11.9	10.8	8.0	7.1	9.2	10.3	5.9	(a)	(a)	(a)
Colorado	.5	.3	.4	.4	.3	.4	.....	.....	.....	.....
Idaho	12.0	13.5	16.5	7.5	8.0	(a)	(a)	(a)	(a)	(a)
Oregon	43.0	49.1	35.9	27.7	36.9	42.0	32.6	32.3	33.7	34.6
Washington	80.4	84.6	74.6	69.0	75.0	81.1	57.8	59.6	67.7	58.2
WEST†	147.8	158.3	135.4	111.7	129.4	133.8	96.3	91.9	101.4	92.8
OTHER STATES	46.1	48.6	48.7	41.5	36.7	52.1	42.2	40.4	42.7	42.1
For Freezing	151.7	150.6	131.4	129.6	138.6	155.4	118.2	118.9	152.6	146.9
For Canning	270.0	287.0	261.7	220.9	216.9	236.9	203.5	174.2	151.3	154.7
T. U.S. PROC	421.7	437.7	393.0	350.5	355.4	392.3	321.7	293.1	303.8	301.6

(a) Included in "OTHER STATES". † Area totals do not include quantities in "OTHER STATES".

PEAS, GREEN—YIELD PER ACRE—POUNDS SHELLED

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Delaware	3,040	2,440	2,640	2,740	2,500	2,640	3,060	3,200	3,460	2,940
Maryland	2,900	2,420	2,580	2,840	2,960	3,400	3,100	3,560	3,440	2,340
New York	3,060	2,760	2,860	2,760	2,840	3,360	3,360	3,700	3,400	3,000
Michigan	2,680	n.a.	n.a.	2,740	2,460	n.a.	n.a.	n.a.	n.a.	n.a.
Minnesota	2,340	2,240	2,260	3,060	2,440	3,060	2,360	3,080	3,200	2,500
Wisconsin	2,660	2,420	2,040	2,720	2,240	3,240	3,040	2,980	3,740	2,720
California	3,620	4,120	2,780	3,260	2,180	3,920	3,320	n.a.	n.a.	n.a.
Colorado	1,880	3,240	2,360	2,620	2,900	2,640	.....	.....	.....	.....
Idaho	2,280	2,260	2,380	1,540	3,960	n.a.	n.a.	n.a.	n.a.	n.a.
Oregon	2.460	2.240	2,560	1,660	2,460	2,140	3,320	2,740	2,180	2,340
Washington	3,220	3,220	3,460	3,080	3,160	3,440	3,300	2,960	3,200	3,020
For Freezing	3,060	2,960	3,020	2,960	2,980	3,160	3,100	3,100	3,020	2,700
For Canning	2,520	2,420	2,420	2,700	2,340	3,120	2,960	3,120	3,520	2,800
U.S. PROC. AV.	2,720	2,600	2,620	2,800	2,600	3,120	3,020	3,100	3,260	2,760

n.a.-Not available.

PEAS, GREEN—PRODUCTION—1,000 TONS SHELLED

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Delaware	18.1	13.3	11.9	12.0	10.7	13.2	8.9	12.5	13.7	13.8
Maryland	8.7	6.9	8.1	7.7	8.9	12.9	6.2	7.5	5.3	3.4
New York	10.4	8.8	5.9	7.2	8.1	10.4	10.1	14.4	15.0	13.8
EAST†	37.2	29.0	25.9	26.9	27.6	36.5	25.2	34.4	34.0	31.0
Michigan	5.1	5.7	(a)	6.7	5.3	(a)	(a)	(a)	(a)	(a)
Minnesota	81.3	79.6	82.0	100.4	82.9	111.7	78.2	87.5	97.3	80.3
Wisconsin	172.7	161.2	119.6	146.2	108.7	177.6	153.7	125.5	147.9	110.2
MID-WEST†	259.1	246.5	201.6	253.3	196.8	289.2	231.9	212.9	245.2	190.4
California	21.6	22.2	11.2	11.6	10.1	20.2	9.8	(a)	(a)	(a)
Colorado	.5	.6	.5	.6	.5	.5	.....	.....	.....	.....
Idaho	13.7	15.2	19.7	5.8	15.8	(a)	(a)	(a)	(a)	(a)
Oregon	52.9	55.0	46.0	23.0	45.4	44.9	54.1	44.3	36.7	40.5
Washington	129.5	136.2	129.1	106.3	118.5	139.5	95.4	88.2	108.3	87.9
WEST†	218.2	229.2	206.5	147.2	190.2	205.1	159.3	132.5	145.1	128.4
OTHER STATES	58.8	66.1	79.4	61.7	46.5	82.5	67.9	75.3	72.1	66.3
For Freezing	232.1	222.5	197.7	191.7	206.7	244.8	182.9	183.9	230.7	199.1
For Canning	341.1	348.3	315.5	297.3	254.4	368.6	301.3	271.2	265.6	217.0
T. U.S. PROC.	573.2	570.8	513.2	489.0	461.1	613.4	484.2	455.1	496.3	416.1

(a) Included in "OTHER STATES". †Area totals do not include quantities in "OTHER STATES".

PEAS, GREEN—VALUE PER TON—DOLLARS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Delaware	183.00	235.00	206.00	231.00	224.00	199.00	248.00	238.00	270.00	209.00
Maryland	167.00	256.00	219.00	230.00	225.00	187.00	261.00	245.00	275.00	232.00
New York	205.00	218.00	265.00	248.00	250.00	249.00	278.00	284.00	286.00	285.00
Michigan	154.00	161.00	n.a.	181.00	198.00	n.a.	n.a.	n.a.	n.a.	n.a.
Minnesota	217.00	234.00	191.00	201.00	218.00	220.00	244.00	230.00	236.00	229.00
Wisconsin	174.00	211.00	196.00	204.00	202.00	195.00	197.00	218.00	199.00	215.00
California	164.00	184.00	196.00	179.00	208.00	249.00	230.00	n.a.	n.a.	n.a.
Colorado	234.00	242.00	263.00	271.00	270.00	270.00	.....	.....	.....	.....
Idaho	234.00	236.00	207.00	236.00	219.00	n.a.	n.a.	n.a.	n.a.	n.a.
Oregon	203.00	205.00	178.00	194.00	150.00	169.00	173.00	179.00	202.00	174.00
Washington	210.00	216.00	200.00	202.00	204.00	222.00	193.00	203.00	235.00	206.00
For Freezing ..	206.00	214.10	190.00	202.00	200.00	218.00	202.00	206.00	240.00	213.00
For Canning ...	189.00	221.00	204.00	208.00	210.00	205.00	214.00	226.00	215.00	221.00
U.S. PROC. AV ..	196.00	218.30	199.00	206.00	206.00	210.00	209.00	218.00	227.00	217.00

n.a.- Not available.

PEAS, GREEN—TOTAL VALUE—1,000 DOLLARS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Delaware	3,312	3,126	2,451	2,760	2,386	2,627	2,195	2,970	3,691	2,888
Maryland	1,453	1,766	1,774	1,760	1,991	2,416	1,618	1,833	1,466	786
New York	2,132	1,918	1,550	1,786	2,025	2,595	2,802	4,098	4,279	3,933
EAST†	6,897	6,810	5,775	6,306	6,402	7,638	6.615	8,901	9,436	7,607
Michigan	785	(a)	(a)	1,210	1,049	(a)	(a)	(a)	(a)	(a)
Minnesota	17,642	18,626	15,662	20,180	18,061	24,572	19.088	20.118	22,958	18,377
Wisconsin	30,041	34,013	23,442	29,825	21,947	34,622	30,273	27,350	29,436	23,684
MID-WEST†	48,468	52,639	39,104	51,215	41,057	59,194	49.361	47.468	52,394	42.061
California	3,534	4,085	2,185	2,076	2,090	5,027	2.251	(a)	(a)	(a)
Colorado	117	133	118	149	122	135	.....	.....	.....	.....
Idaho	3,206	3,587	4,068	1,357	3,460	(a)	(a)	(a)	(a)	(a)
Oregon	10,739	11,275	8,188	4,462	6,810	7,595	9.363	7,921	7.419	7,044
Washington	27,185	29,419	25,820	21,442	24,174	30,967	18.406	17.907	25.455	18,103
WEST†	44,781	48,499	40,379	29,486	36,656	43,724	27.769	25,828	32,874	25,147
OTHER STATES	12,020	16,656	16,724	13,526	10,738	18,534	15.396	16.859	17,837	15,521
For Freezing ..	47,848	47,634	37,612	38,721	41,327	53,380	36.865	37,839	55,394	42,422
For Canning ...	64,318	76,970	64,370	61,812	53,526	75,710	64,527	61,217	57,147	47,914
T. U.S. PROC. ...	112,166	124,604	101,982	100,533	94,853	129,090	101.392	99,056	112,541	90,336

(a)-Included in "OTHER STATES". †Area totals do not include quantities in "OTHER STATES".

GALLATIN
VALLEY
SEED CO.

**Broad Range of Disease Resistant
Canning and Freezing
Beans and Peas**

*"New Generation
Breeders"*

Early Sweet 9-Pea

'Early Sweet 9' is a 58 day, early canning variety. It's slightly taller vine (20-24 inches) and high yields makes this variety an excellent choice to start out the season. It's double pods are borne in a compact set for today's pod picker. Yields, color, and quality are excellent. Early Sweet 9 has quickly gained acceptance by those processors that have tried it.

**Box 167, Twin Falls, Idaho 83301
Phone: 208-733-8222**

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

SPINACH—HARVESTED ACREAGE—1,000 ACRES (Rounded)

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
California*	9.6	9.4	9.8	8.4	9.7	9.0	8.0	10.4	9.4	8.9
Other States ...	3.9	4.6	5.9	8.1	6.3	4.0	4.9	3.8	4.1	3.3
WINTER TOT ...	13.5	14.0	15.7	16.5	16.0	13.0	12.9	14.2	13.5	12.2
Arkansas	3.0	2.5	1.6	1.4	1.3	2.1	1.4	(a)	(a)	(a)
New York	.3	.2	.4	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Oklahoma	2.0	1.8	1.5	1.3	1.7	1.8	1.7	(a)	(a)	(a)
Other States ...	2.2	2.6	3.1	1.7	1.4	2.3	1.6	3.9	5.7	6.1
SPRING TOT....	7.5	7.0	6.6	4.4	4.4	6.2	4.7	3.9	5.7	6.1
Arkansas	1.6	.9	.1	.6	.4	.2	.4	(a)	(a)	(a)
Oklahoma	1.2	1.1	.3	.3	.3	.2	.4	(a)	(a)	(a)
Other States	3.0	3.9	2.3	1.6	1.1	1.0	1.8	2.7	2.5	1.6
FALL TOT	5.8	5.9	2.8	2.5	1.7	1.5	2.6	2.7	2.5	1.6
For Freezing ..	12.8	13.4	14.0	8.8	9.4	10.2	9.5	12.7	11.2	11.5
For Canning...	14.0	13.5	11.1	14.6	12.8	10.4	10.7	8.1	10.4	8.3
PROCESSING ...	26.8	26.9	25.1	23.3	22.2	20.6	20.2	20.8	21.6	19.9
FRESH MKT....	10.1	10.7	9.7	9.0	9.0	11.0	12.2	15.1	15.9	15.6
TOT. U.S.	36.9	37.6	34.8	32.3	31.2	31.6	32.4	35.9	37.5	35.5

SPINACH—YIELD PER ACRE—TONS

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
California	9.7	9.3	10.5	10.1	9.9	10.2	8.9	9.8	8.8	9.5
Other States ...	3.5	n.a.	4.3	4.9	5.1	5.1	4.8	4.3	7.0	7.3
WINTER AV	7.9	7.9	8.2	7.6	8.0	8.6	7.3	8.4	8.3	8.9
Arkansas	4.0	4.2	4.8	4.7	5.2	4.7	6.0	(a)	(a)	(a)
New York	5.7	9.0	7.4	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Oklahoma	3.8	3.7	3.7	4.2	4.1	4.5	5.4	(a)	(a)	(a)
Other States ...	5.0	4.4	5.2	6.0	8.2	6.4	5.4	4.4	6.1	5.4
SPRING AV	4.3	4.2	4.9	5.1	5.7	5.3	5.6	4.4	6.1	5.4
Arkansas	3.4	3.9	4.3	4.4	4.7	4.6	3.6	(a)	(a)	(a)
Oklahoma	3.5	3.9	4.0	5.0	4.7	4.2	4.0	(a)	(a)	(a)
Other States	5.4	5.7	5.4	5.3	4.6	6.8	6.8	6.9	7.4	7.2
FALL AV	4.4	5.1	5.2	5.0	4.7	6.1	5.8	6.9	7.4	7.2
For Freezing ..	6.7	6.8	7.1	7.8	8.8	8.8	7.7	8.0	8.1	8.3
For Canning...	5.6	5.8	6.7	6.2	6.2	6.2	5.9	6.6	7.1	6.9
U.S. PROC. AV ..	6.1	6.3	7.0	6.8	7.3	7.5	6.7	7.4	7.6	7.7

*Survey discontinued with 1981 data. (a) Included in "Other States".

Food Production/Management

Monthly Magazine for the Canned Glassed and Frozen Food Industry.

Annual Subscription $20.00

2619 Maryland Ave. • Baltimore, Md. 21218 USA

Also Publishers of "A Complete Course in Canning"-11th editic $75.00

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

SPINACH—PRODUCTION—1,000 TONS

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
California	92.8	87.2	102.5	85.1	95.7	91.9	71.1	102.0	82.9	84.6
Other States ...	13.6	23.6	25.6	39.7	31.9	20.5	23.5	16.3	28.4	24.2
WINTER TOT ...	106.4	110.7	128.1	124.8	127.6	112.4	94.6	118.4	111.4	108.8
Arkansas	12.0	10.5	7.6	6.6	6.7	9.8	8.4	(a)	(a)	(a)
New York	1.7	1.5	3.1	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Oklahoma	7.7	6.6	5.5	5.5	7.0	8.1	9.2	(a)	(a)	(a)
Other States ...	10.7	11.2	15.9	10.0	11.9	14.6	8.5	17.4	35.0	32.8
SPRING TOT	32.1	29.8	32.1	22.1	25.5	32.5	26.1	17.4	35.0	32.8
Arkansas	5.4	3.7	.6	2.4	1.7	1.1	1.5	(a)	(a)	(a)
Oklahoma	4.2	4.3	1.3	1.4	1.4	.8	1.8	(a)	(a)	(a)
Other States	16.2	22.0	12.3	8.7	5.0	7.1	12.1	18.7	18.3	11.2
FALL TOT	25.8	30.0	14.2	12.5	8.1	8.9	15.3	18.7	18.3	11.2
For Freezing ..	85.4	91.6	100.0	68.5	82.0	89.7	73.3	101.5	90.6	95.7
For Canning ...	78.8	78.9	74.4	90.8	79.2	64.0	62.7	52.9	74.1	57.1
PROCESSING ...	164.2	170.5	174.3	159.3	161.1	153.7	135.9	154.4	164.7	152.8
FRESH MKT	29.7	31.4	30.4	31.5	34.3	41.8	45.8	53.2	59.4	71.3
TOT. U.S.	193.9	201.9	204.7	190.8	195.4	195.5	181.7	207.6	224.1	224.1

SPINACH—VALUE PER TON—DOLLARS

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
California	39.00	40.70	47.80	56.20	56.90	63.90	75.40	81.70	86.80	76.10
Other States ...	45.40	50.20	61.10	75.30	82.60	78.00	85.00	95.20	94.50	91.90
WINTER AV	39.80	42.70	50.50	62.30	63.30	66.50	77.80	83.60	88.80	79.60
Arkansas	56.10	60.10	81.40	80.90	80.30	80.70	80.40	(a)	(a)	(a)
New York	50.00	53.00	85.80	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Oklahoma	54.90	60.00	67.50	80.00	80.00	80.00	80.30	(a)	(a)	(a)
Other States ...	49.10	59.60	72.80	66.80	66.40	69.60	82.70	92.80	98.60	103.00
SPRING AV	53.10	59.50	75.20	74.30	73.80	75.60	81.10	92.80	98.60	103.00
Arkansas	60.00	75.10	90.00	90.00	90.00	90.00	81.40	(a)	(a)	(a)
Oklahoma	55.00	75.00	69.70	80.00	90.00	90.70	80.00	(a)	(a)	(a)
Other States	53.90	63.90	71.70	63.40	67.60	72.80	82.30	95.60	98.10	99.60
FALL AV	55.40	66.90	72.30	70.40	76.10	76.40	82.00	95.60	98.10	99.60
For Freezing ..	44.13	49.60	56.90	59.23	59.18	65.03	78.78	86.70	93.60	83.60
For Canning ...	45.64	50.27	56.62	68.63	72.26	74.48	79.03	84.80	89.80	90.10
U.S. PROC. AV ..	44.90	49.90	56.80	64.60	65.60	69.00	78.90	86.10	91.90	86.00

*Survey discontinued with 1981 data.   (a) Included in "Other States".

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

SPINACH—TOTAL VALUE—1,000 DOLLARS

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981*
California	3,617	3,547	4,900	4,783	5,440	5,872	5,357	8,336	7,197	6,439
Other States ...	617	1,183	1,564	2,987	2,635	1,596	1,998	1,554	2,687	2,220
WINTER TOT ...	4,234	4,730	6,464	7,770	8,075	7,468	7,355	9,890	9,884	8,659
Arkansas	673	631	619	534	538	791	675	(a)	(a)	(a)
New York	85	77	262	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Oklahoma	420	396	371	440	556	648	739	(a)	(a)	(a)
Other States ...	525	667	1,158	665	787	1,013	703	1,612	3,455	3,370
SPRING TOT	1,703	1,771	2,410	1,639	1,881	2,452	2,117	1,612	3,455	3,370
Arkansas	324	278	54	216	149	99	118	(a)	(a)	(a)
Oklahoma	231	323	87	112	126	68	140	(a)	(a)	(a)
Other States	871	1,405	882	548	338	513	992	1,785	1,800	1,115
FALL TOT	1,426	2,006	1,023	876	613	680	1,250	1,785	1,800	1,115
For Freezing ..	3,769	4,541	5,687	4,057	4,850	5,833	5,771	8,799	8,485	7,998
For Canning ...	3,594	3,966	4,210	6,228	5,719	4,767	4,951	4,488	6,654	5,146
PROCESSING ...	7,363	8,507	9,897	10,285	10,569	10,600	10,722	13,287	15,139	13,144

*Survey discontinued with 1981 data. (a) Included in "Other States".

TOMATOES—HARVESTED ACREAGE—1,000 ACRES (Rounded)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
New York	2.9	2.6	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
New Jersey	13.3	10.6	9.3	8.0	7.2	7.0	5.4	5.4	5.6	4.4
Pennsylvania	6.6	7.0	6.2	5.8	3.9	4.4	3.4	4.8	5.0	5.0
†MIDATLANT ..	22.8	20.2	15.5	13.8	11.1	11.4	8.8	10.2	10.6	9.4
Delaware	.9	(a)	(a)	(a)	(a)	(a)	(a)	(a)	1.2	.8
Maryland	3.7	4.6	4.3	4.0	3.9	2.8	3.4	3.3	4.1	2.6
Virginia	4.1	3.8	3.5	3.6	3.8	3.6	2.1	1.4	1.8	1.7
†DELMARVA ...	8.7	8.4	7.8	7.6	7.7	6.4	5.5	4.7	7.1	5.1
Ohio	25.1	24.1	22.3	21.2	19.7	18.7	16.8	14.1	18.8	19.2
Indiana	15.1	15.8	12.7	12.5	9.5	10.6	9.6	5.7	6.7	7.6
Illinois	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Michigan	5.3	4.4	4.0	4.1	4.5	5.6	6.0	6.2	9.7	9.2
†NO. CENTRAL .	45.5	44.3	39.0	37.8	33.7	34.9	32.4	26.0	35.2	36.0
Florida	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	.....
Texas	2.6	4.0	4.0	2.0	2.5	2.0	1.4	1.2	2.7	(a)
†SOUTH	2.6	4.0	4.0	2.0	2.5	2.0	1.4	1.2	2.7	(a)
Colorado	.6	.6	.7	.6	.8	.8	.5	.7	.9	1.1
New Mexico	.6	.9	.9	.9	.6	(a)	(a)	(a)	(a)	(a)
Utah	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
California	249.9	299.2	233.8	276.4	231.9	250.0	208.3	204.3	232.0	233.5
†WEST	251.1	300.7	235.4	277.9	233.3	250.8	208.8	205.0	232.9	234.6
OTHER STS	7.0	6.7	7.3	7.5	7.3	6.6	6.2	6.8	6.8	7.1
PROCESSING ...	337.7	384.3	309.0	346.7	295.6	312.0	263.0	253.9	295.3	292.2
FRESH MKT ...	124.2	124.7	127.8	124.3	130.2	125.5	126.5	128.0	121.4	125.0
TOT. U.S.	461.9	509.0	436.8	471.0	425.8	437.5	389.5	381.9	416.7	417.2

† Area totals do not include quantities in "Other States". (a) Included in "Other States". n.a. Not available.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

TOMATOES—YIELD PER ACRE—TONS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
New York	13.8	15.5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
New Jersey	17.4	14.5	19.0	15.2	12.9	14.0	11.5	18.0	19.1	15.7
Pennsylvania	14.1	15.4	20.4	19.7	19.5	16.7	11.9	16.7	16.9	16.4
Delaware	15.3	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	14.9	13.4
Maryland	12.9	11.6	11.4	11.5	11.3	12.8	7.9	15.0	15.8	13.6
Virginia	9.0	8.9	12.7	8.1	10.5	11.9	8.6	13.0	15.4	7.4
Ohio	14.7	17.6	23.3	19.9	20.2	18.7	15.0	18.0	19.6	21.3
Indiana	11.4	13.3	18.4	13.9	21.1	14.6	11.1	14.6	20.8	18.4
Illinois	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Michigan	11.4	14.4	18.6	15.5	18.0	18.1	12.3	19.1	21.1	19.9
Florida	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	.....
Texas	8.4	9.5	11.2	10.2	8.6	8.7	7.1	5.3	9.1	n.a.
Colorado	12.2	13.4	16.9	10.9	15.3	10.8	13.0	14.2	16.1	16.0
New Mexico	12.0	10.0	10.0	11.0	8.0	n.a.	n.a.	n.a.	n.a.	n.a.
Utah	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
California	23.4	24.3	21.7	24.1	22.8	25.4	26.6	24.0	26.5	25.6
U.S. PROC. AV ..	20.8	22.1	21.0	22.4	21.5	23.5	23.6	22.5	24.7	24.1

TOMATOES—PRODUCTION—1,000 TONS (Rounded)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
New York	39.9	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
New Jersey	231.6	154.0	176.3	121.2	92.9	98.0	62.0	97.0	106.8	69.1
Pennsylvania	93.0	108.1	126.5	114.3	76.1	73.3	40.4	80.0	84.3	82.2
†MIDATLANT ..	364.4	262.1	302.8	235.5	169.0	171.3	102.4	177.0	191.0	151.2
Delaware	13.8	(a)	(a)	(a)	(a)	(a)	(a)	(a)	17.8	11.2
Maryland	47.9	53.3	49.0	46.0	44.0	35.9	26.9	49.6	64.6	35.3
Virginia	37.0	33.9	44.4	29.1	40.0	43.0	18.0	18.2	27.7	12.5
†DELMARVA ...	98.6	87.2	93.4	75.1	84.0	78.9	44.9	67.8	110.1	59.0
Ohio	368.2	423.0	520.3	422.8	398.4	349.3	252.0	253.1	368.1	409.0
Indiana	172.5	209.3	234.1	173.1	200.1	154.8	106.6	83.4	139.6	139.6
Illinois	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Michigan	60.4	63.3	74.5	63.5	81.2	101.4	73.7	118.3	204.7	183.1
† NO. CENT	601.1	695.6	828.8	659.4	679.6	605.5	432.2	454.8	712.3	731.7
Florida	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	.....
Texas	21.8	37.9	44.9	20.4	21.6	17.4	9.9	6.4	24.6	(a)
†SOUTH	21.8	37.9	44.9	20.4	21.6	17.4	9.9	6.4	24.6	(a)
Colorado	7.7	8.6	11.0	7.0	11.6	8.1	6.1	9.9	13.8	17.6
New Mexico	7.2	8.6	9.0	9.9	4.8	(a)	(a)	(a)	(a)	(a)
Utah	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
California	5,847.7	7,270.6	5,066.5	6,669.6	5,289.7	6,350.0	5,540.8	4,903.2	6,148.0	5,972.9
†WEST	5,862.6	7,287.8	5,086.4	6,686.5	5,306.1	6,358.1	5,546.9	4,913.1	6,161.8	5,990.5
OTHER STS	71.5	133.3	115.6	102.5	107.6	98.4	74.3	97.1	99.1	99.8
PROCESSING ...	7,019.9	8,503.8	6,471.8	7,779.2	6,367.7	7,329.5	6,210.6	5,716.1	7,299.0	7,032.2
FRESH MKT ...	1,004.1	1,055.7	1,088.6	994.8	1,120.4	1,166.5	1,270.8	1,308.8	1,349.1	1,309.3
TOT. U.S.	8,024.0	9,559.5	7,560.4	8,774.0	7,488.1	8,496.0	7,481.3	7,024.9	8,648.0	8,341.5

†Area totals do not include quantities in Other States. (a) Included in Other States. n.a. Not available.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

TOMATOES—VALUE PER TON—DOLLARS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
New York	73.70	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
New Jersey	74.50	72.40	65.00	63.00	65.00	70.20	74.20	86.60	87.40	83.00
Pennsylvania	70.40	67.40	61.00	62.00	64.00	65.80	71.20	80.50	86.30	83.50
Delaware	74.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	84.40	71.50
Maryland	68.50	69.20	64.50	64.30	66.80	60.70	71.00	79.50	82.00	75.50
Virginia	67.20	69.60	60.80	70.60	67.40	70.40	73.60	82.20	85.40	79.30
Ohio	66.50	68.00	66.00	66.00	67.80	67.80	71.10	85.40	89.10	84.70
Indiana	65.70	62.90	65.50	66.70	68.50	72.70	74.30	89.00	89.50	86.90
Illinois	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Michigan	69.30	64.00	65.20	65.80	67.30	68.30	72.90	86.00	92.60	84.00
Florida	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	.....
Texas	61.30	78.20	65.10	64.60	68.30	62.10	67.50	75.00	75.70	n.a.
Colorado	62.50	61.90	58.20	63.70	63.00	64.60	66.90	72.10	67.60	69.80
New Mexico	70.00	70.00	75.00	75.00	75.00	n.a.	n.a.	n.a.	n.a.	n.a.
Utah	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
California	63.80	62.50	56.20	63.90	63.70	67.50	59.70	64.70	68.50	64.70
PROC. AV.	64.50	63.20	58.00	64.10	64.20	67.60	61.00	67.50	71.60	67.60

TOMATOES—TOTAL VALUE—1,000 DOLLARS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
New York	2,941	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
New Jersey	17,250	11,150	11,456	7,636	6,035	6,880	4,600	8,398	9,333	5,734
Pennsylvania	6,544	7,286	7,717	7,084	4,870	4,821	2,875	6,442	7,271	6,860
†MIDATLANT ..	26,735	18,436	19,173	14,720	10,905	11,701	7,475	14,840	16,604	12,594
Delaware	1,021	(a)	(a)	(a)	(a)	(a)	(a)	(a)	1,505	802
Maryland	3,278	3,688	3,161	2,955	2,936	2,179	1,910	3,943	5,299	2,664
Virginia	2,483	2,356	2,696	2,051	2,696	3,024	1,322	1,496	2,361	992
†DELMARVA ...	6,782	6,044	5,857	5,006	5,632	5,203	3,232	5,439	9,165	4,458
Ohio	24,485	28,764	34,337	27,902	27,008	23,684	17,917	21,615	32,798	34,639
Indiana	11,330	13,165	15,330	11,546	13,703	11,251	7,917	7,422	12,491	12,132
Illinois	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Michigan	4,186	4,051	4,857	4,178	5,465	6,927	5,371	10,174	18,952	15,379
†NO. CENT	40,001	45,980	54,524	43,626	46,176	41,862	31,205	39,211	64,241	62,150
Florida	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	.....
Texas	1,336	2,964	2,920	1,318	1,472	1,081	671	478	1,860	(a)
†SOUTH	1,336	2,964	2,920	1,318	1,472	1,081	671	478	1,860	(a)
Colorado	481	546	637	446	731	523	409	715	935	1,225
New Mexico	504	602	675	743	360	(a)	(a)	(a)	(a)	(a)
Utah	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
California	373,080	454,409	284,734	426,184	336,951	428,625	330,785	317,237	421,138	386,449
†WEST	374,065	455,557	286,046	427,373	338,042	429,148	331,194	317,952	422,073	387,674
OTHER STS	4,103	8,471	6,887	6,329	6,723	6,481	5,076	7,712	8,479	8,277
PROCESSING ...	453,022	537,452	375,407	498,372	408,950	495,476	378,853	385,632	522,422	475,153

(a) Included in OTHER STATES. †Area totals do not include quantities in OTHER STATES. n.a. Not available.

COMMODITY SUMMARIES—HARVESTED ACREAGE—1,000 ACRES

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Beans, Lima	73.7	76.9	48.0	60.3	68.1	65.4	50.8	49.7	n.a.	n.a.
Beans, Snap	291.1	273.6	237.2	257.6	280.4	285.4	255.7	218.3	204.4	197.1
Beets	18.5	18.1	14.5	14.1	17.3	17.4	13.3	10.0	n.a.	n.a.
Cabbage/Kraut ..	13.9	11.8	11.5	10.5	10.6	9.8	9.1	10.2	n.a.	n.a.
Corn, Sweet	462.2	508.7	461.0	454.0	429.6	417.6	377.4	401.0	446.9	398.7
Cucumbers for Pickles	132.0	140.2	128.4	123.8	134.4	131.7	116.4	97.5	n.a.	n.a.
Peas, Green	421.7	437.7	393.0	350.5	355.5	392.3	321.7	293.1	303.8	301.6
Spinach	25.1	23.3	22.2	20.6	20.2	20.8	21.6	19.9	n.a.	n.a.
Tomatoes	337.7	384.3	309.0	346.7	295.6	312.0	263.0	253.9	295.3	292.2
TOTAL ABOVE ..	1,775.8	1,874.5	1,624.6	1,638.1	1,611.7	1,652.5	1,429.1	1,353.6	1,250.5	1,189.7

COMMODITY SUMMARIES—YIELD PER ACRE—TONS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Beans, Lima	1.21	1.25	1.16	1.23	1.21	1.36	1.21	1.31	n.a.	n.a.
Beans, Snap	2.57	2.43	2.49	2.62	2.56	2.69	2.75	3.08	3.15	2.98
Beets	13.03	12.78	10.86	14.60	12.79	14.32	15.40	15.59	n.a.	n.a.
Cabbage/Kraut ..	20.23	20.30	20.23	22.29	20.60	24.27	22.87	24.22	n.a.	n.a.
Corn, Sweet	4.48	4.70	4.84	5.23	5.67	5.90	5.72	5.93	6.13	5.54
Cucumbers for Pickles	4.52	4.81	4.94	5.04	5.10	5.08	5.23	5.90	n.a.	n.a.
Peas, Green	1.36	1.30	1.31	1.40	1.30	1.56	1.51	1.55	1.63	1.38
Spinach	6.96	6.82	7.27	7.46	6.72	7.43	7.61	7.69	n.a.	n.a.
Tomatoes	20.79	22.13	20.95	22.44	21.54	23.49	23.61	22.51	24.72	24.06

COMMODITY SUMMARIES—PRODUCTION—1,000 TONS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Beans, Lima	89.4	96.1	55.8	74.2	82.7	89.2	61.3	65.0	n.a.	n.a.
Beans, Snap	748.4	665.2	590.7	675.5	716.6	769.1	704.2	672.2	643.9	587.4
Beets	241.1	231.1	157.4	206.2	221.6	249.7	205.4	155.7	n.a.	n.a.
Cabbage/Kraut ..	281.5	239.8	232.1	234.8	217.8	237.8	209.0	246.1	n.a.	n.a.
Corn, Sweet	2,069.5	2,393.1	2,233.1	2,376.2	2,434.7	2,463.9	2,158.0	2,378.2	2,740.5	2,210.6
Cucumbers for Pickles	597.0	674.3	633.8	623.9	685.5	669.0	609.2	575.4	n.a.	n.a.
Peas, Green	573.2	570.8	513.2	489.0	461.1	613.4	484.2	455.1	496.3	416.1
Spinach	174.3	159.3	161.1	153.7	135.9	154.4	164.7	152.8	n.a.	n.a.
Tomatoes	7,019.9	8,503.8	6,471.8	7,779.2	6,367.7	7,329.5	6,210.6	5,716.1	7,299.0	7,032.2
TOTAL ABOVE ..	11,794.1	13,533.3	11,048.9	12,612.5	11,323.5	12,576.0	10,806.7	10,416.5	11,179.6	10,246.3

COMMODITY SUMMARIES—VALUE PER TON—DOLLARS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Beans, Lima	315.00	321.50	286.90	342.70	359.00	368.00	410.00	440.00	n.a.	n.a.
Beans, Snap	157.00	153.50	138.60	145.00	146.00	153.00	156.00	166.00	166.00	160.00
Beets	41.00	38.20	38.50	40.70	39.70	42.20	47.20	47.20	n.a.	n.a.
Cabbage/Kraut ..	31.00	31.40	31.20	30.50	31.50	31.60	34.10	36.80	n.a.	n.a.
Corn, Sweet	54.30	53.60	48.20	49.60	49.90	51.30	53.70	63.10	61.40	59.80
Cucumbers for Pickles	131.00	128.60	125.80	126.20	130.00	145.00	166.00	175.00	n.a.	n.a.
Peas, Green	196.00	218.30	198.70	206.00	206.00	210.00	209.00	218.00	227.00	217.00
Spinach	56.80	64.60	65.60	69.00	78.90	86.10	91.90	90.80	n.a.	n.a.
Tomatoes	64.50	63.20	58.00	64.10	64.20	67.60	61.00	67.50	71.60	67.60

COMMODITY SUMMARIES—TOTAL VALUE—1,000 DOLLARS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Beans, Lima	28,179	30,898	16,007	25,426	29,704	32,831	25,137	28,600	n.a.	n.a.
Beans, Snap	117,654	102,096	81,895	98,170	104,630	117,869	110,034	111,394	106,610	94,256
Beets	9,887	8,818	6,057	8,383	8,793	10,536	9,685	7,348	n.a.	n.a.
Cabbage/Kraut ..	8,720	7,525	7,235	7,166	6,857	7,525	7,121	9,045	n.a.	n.a.
Corn, Sweet	112,306	128,227	107,703	117,879	121,445	126,439	115,826	150,048	168,165	132,098
Cucumbers for pickles	77,954	86,730	79,751	78,651	88,814	97,186	101,264	100,629	n.a.	n.a.
Peas, Green	112,166	124,604	101,982	100,533	94,853	129,090	101,392	99,056	112,541	90,336
Spinach	9,897	10,285	10,569	10,600	10,722	13,287	15,139	13,144	n.a.	n.a.
Tomatoes	453,022	537,452	375,407	498,372	408,950	495,476	378,853	385,632	522,422	475,153
TOTAL ABOVE ..	929,785	1,036,635	786,606	945,180	874,768	1,030,239	864,451	904,896	909,738	791,843

*STATE SUMMARIES—HARVESTED ACREAGE—1,000 ACRES

State	1974	1975	1976	1977	1978	1979	1980	1981	*1982	*1983
Maine	5.2	5.8	5.8	7.2	7.1	8.0	7.6	8.2	8.9	8.5
New Hamp	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vermont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mass	.9	.8	.8	1.3	1.4	1.6	.9	.7	.....	.....
Conn	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New York	88.3	89.3	79.1	75.6	88.5	83.0	78.9	77.6	70.9	70.1
New Jersey	34.1	27.4	14.1	14.8	19.3	16.8	14.7	15.5	14.9	10.6
Penna	22.3	22.2	19.0	17.8	14.9	14.6	15.0	16.1	17.4	15.0
N. ATLANT	150.8	145.5	118.7	116.6	131.3	124.1	117.0	118.2	112.1	104.2
Ohio	35.9	34.2	30.9	29.9	28.1	26.5	24.2	20.9	19.0	19.3
Indiana	32.0	31.7	23.9	23.4	20.0	20.3	18.3	9.3	9.6	11.0
Illinois	106.6	113.2	103.2	91.8	95.2	95.0	74.4	68.2	58.8	55.3
Michigan	51.7	50.5	48.0	50.9	52.5	51.5	42.0	38.9	26.8	26.7
Wisconsin	338.2	372.3	342.1	331.2	304.3	338.9	308.7	287.0	265.8	271.3
Minnesota	186.0	197.3	193.3	191.1	185.5	178.1	174.0	168.6	184.7	176.7
Iowa	14.5	16.9	13.0	11.7	7.7	5.7	3.8	4.4	5.5	4.7
Missouri	.9	.9	.6	1.1	1.7	.5	1.5	.9	.5	.4
N. Dakota	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S. Dakota	.1	.1	.1	.1	.1	.1	.1	(c)	.....	.....
Nebraska	.1	.2	.1	.2	.2	.1	.5	.2	.....	.....
Kansas	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N. CENT	766.0	817.3	755.0	731.4	695.2	716.6	647.4	598.4	570.7	565.5
Delaware	41.8	34.9	28.2	30.1	35.2	30.4	26.1	26.7	16.7	17.2
Maryland	39.1	39.7	36.5	34.9	34.8	36.0	28.9	24.5	18.4	17.0
Virginia	14.5	14.0	12.9	12.8	13.3	11.7	8.3	[illegible]	3.6	2.1
W. Va.	2.6	1.6	.7	.5	.1	.1	(c)	(c)	(c)	(c)
N.C.	30.8	32.9	29.2	29.6	31.2	32.7	28.8	28.0	2.4	2.1
S.C.	8.5	9.8	7.8	8.8	9.7	10.9	8.7	10.9	.4	.1
Georgia	2.3	4.6	3.4	3.9	4.3	4.6	2.9	3.9	.9	1.3
Florida	19.9	18.7	18.1	19.4	21.8	22.8	17.0	8.9	3.8	2.1
S. ATLANT	159.5	156.2	136.8	140.0	150.4	149.2	120.8	107.9	46.2	42.0
Kentucky	2.0	3.5	2.7	2.8	2.3	1.2	1.0	.7	.....	.....
Tenn	16.7	17.8	13.3	14.9	12.9	10.9	13.7	9.2	6.9	4.9
Alabama	9.2	7.9	4.7	6.9	9.7	8.4	2.6	1.9	1.3	1.3
Miss	7.9	6.9	5.0	3.6	4.2	3.5	3.5	1.1	.....	.....
Arkansas	9.2	7.8	6.9	8.5	6.4	6.5	4.7	6.2	3.6	3.3
Louisiana	.5	.3	.3	.2	.1	.2	.2	.....	.....	.....
Oklahoma	3.3	3.8	4.3	4.2	3.0	2.2	4.2	4.4	1.3	.8
Texas	20.7	25.2	20.5	16.8	20.1	20.3	18.4	12.8	5.3	4.1
S. CENT	69.4	73.2	57.6	57.8	58.8	53.1	48.2	36.3	18.4	14.4
Montana	.5	.6	.....	.....	.....	.....	.....	.....	.....	.....
Idaho	44.3	46.0	43.8	35.9	35.2	35.2	30.9	28.2	29.1	24.8
Wyoming	.7	1.0	.....	.....	.....	.....	.....	.....	.....	.....
Colorado	5.6	5.1	5.0	4.4	4.8	4.9	3.9	3.5	1.4	1.1
New Mexico	.6	.9	.9	.9	.6	.3	.4	.2	.2	.2
Arizona	.7	2.0	1.2	.6	.7	.5	.4	.2	.....	.....
Utah	5.8	6.3	5.3	4.7	4.8	4.7	4.9	4.5	2.6	2.6
Wash	129.8	135.5	115.0	111.3	121.8	127.9	100.6	107.0	121.5	96.9
Oregon	132.6	126.6	108.2	104.3	116.9	122.7	101.5	103.0	104.9	95.8
Calif	309.8	358.6	277.3	330.3	291.6	313.4	253.2	246.3	243.4	242.2
WESTERN	630.4	682.6	556.5	592.3	576.2	609.6	495.8	492.8	503.1	463.6
T. U.S. PROC	1,775.8	1,874.5	1,624.6	1,638.1	1,611.7	1,652.5	1,429.1	1,353.5	1,250.4	1,189.7

*Up thru 1981 includes lima beans, snap beans, beets, cabbage/kraut, sweet corn, cucumbers for pickles, green peas, spinach, tomatoes. Beginning in 1982 includes only snap beans, corn, green peas, tomatoes. (c) Less than 50 acres.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

*STATE SUMMARIES—PRODUCTION—1,000 TONS

State	1974	1975	1976	1977	1978	1979	1980	1981	*1982	*1983
Maine	9.1	8.4	6.2	9.0	8.4	11.8	8.4	13.1	11.0	9.7
New Hamp	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vermont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mass	11.3	9.2	7.4	10.4	13.4	12.7	8.0	8.8	.....	.....
Conn	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New York	427.7	429.2	328.2	373.9	403.8	420.6	380.8	387.8	275.6	256.6
New Jersey	291.3	196.9	197.2	147.8	127.9	124.1	92.2	132.0	131.5	80.4
Penn	142.7	146.9	161.6	144.7	107.8	97.9	66.2	109.0	116.0	102.0
N. ATLANT	882.1	790.5	700.5	685.7	661.2	667.0	555.5	650.7	534.1	448.6
Ohio	453.5	509.2	613.5	523.3	500.7	465.6	343.1	348.8	368.5	409.0
Indiana	223.9	265.6	280.9	213.3	245.0	192.0	136.6	102.6	152.0	148.1
Illinois	284.3	396.3	370.8	331.4	352.1	373.3	248.6	292.8	261.2	214.0
Michigan	236.0	249.7	222.5	237.5	259.9	267.5	234.7	267.7	246.5	227.7
Wisconsin	988.3	1,040.7	1,019.6	1,164.1	1,024.1	1,214.8	1,081.1	1,138.8	900.3	889.1
Minnesota	560.1	598.5	598.0	770.0	744.5	694.1	647.1	681.7	796.1	590.2
Iowa	66.0	78.4	59.9	60.9	46.6	37.0	24.7	27.3	32.3	27.0
Missouri	1.9	2.3	1.8	3.0	2.4	1.0	2.1	3.2	1.8	1.3
N. Dakota	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S. Dakota	.4	.5	.2	.4	.2	.2	.2	.1	.....	.....
Nebraska	.8	.9	.6	1.0	.7	.7	2.4	.9	.....	.....
Kansas	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N. CENT	2,814.8	3,142.1	3,167.5	3,304.8	3,175.9	3,246.2	2,720.6	2,863.9	2,758.6	2,506.3
Delaware	78.9	67.5	53.6	48.8	66.7	60.3	55.7	54.3	61.7	49.2
Maryland	140.0	163.8	138.7	134.1	138.7	142.9	107.2	132.4	115.9	74.6
Virginia	73.2	68.0	72.3	49.8	72.5	67.6	33.2	29.2	32.7	13.2
W. Va	6.9	3.9	2.3	1.2	.8	.9	.2	.5	.3	.3
N.C.	75.0	85.9	82.5	75.3	81.4	91.3	95.3	89.3	17.7	10.2
S.C.	21.0	28.0	19.2	25.0	29.7	26.9	23.7	28.3	.4	.1
Georgia	5.7	10.6	6.9	8.5	11.4	10.7	7.9	10.7	2.2	2.3
Florida	80.9	71.0	73.8	71.3	80.4	88.5	65.0	49.7	24.6	18.9
S. ATLANT	481.4	498.7	449.1	414.0	481.5	489.0	388.2	394.3	255.5	168.7
Kentucky	6.7	9.6	9.9	10.9	7.6	5.6	4.4	3.2	.....	.....
Tenn.	46.1	40.1	32.9	33.9	26.8	23.7	21.6	29.1	17.9	8.9
Alabama	25.3	21.7	20.4	13.0	15.3	18.3	4.9	5.4	2.6	2.1
Miss.	18.7	16.8	12.0	6.1	6.7	5.4	2.6	2.8	.....	.....
Arkansas	23.0	23.4	19.9	21.7	18.4	16.7	12.2	18.6	10.0	7.3
Louisiana	1.6	1.0	.6	.4	.2	.3	.1	.....	.....	.....
Oklahoma	9.6	12.2	13.7	12.5	12.3	7.0	19.7	22.0	4.5	2.5
Texas	95.5	132.3	127.5	95.7	121.5	96.9	98.1	67.9	31.2	22.4
S. CENT	226.3	257.1	236.8	194.0	208.7	173.9	163.5	148.9	66.3	43.2
Montana	.9	.9	.....	.....	.....	.....	.....	.....	.....	.....
Idaho	189.8	197.0	200.6	161.6	185.2	213.1	172.1	167.9	200.4	137.7
Wyoming	1.2	2.3	.....	.....	.....	.....	.....	.....	.....	.....
Colorado	39.6	35.0	40.3	33.3	36.0	34.8	32.2	31.8	15.8	17.6
New Mexico	7.2	8.6	9.0	9.9	4.8	2.8	4.0	2.3	2.2	2.5
Arizona	3.4	6.0	3.7	2.1	2.7	1.8	1.6	.5	.....	.....
Utah	20.4	25.9	23.4	16.9	17.4	23.3	19.9	20.2	9.5	7.8
Wash.	417.7	483.7	388.8	364.0	469.0	487.6	432.4	434.5	585.2	426.2
Oregon	609.0	570.7	544.2	526.7	577.1	612.5	570.0	571.5	580.1	495.9
California	6,100.5	7,515.8	5,285.2	6,899.9	5,504.3	6,624.1	5,746.7	5,110.1	6,172.2	5,991.8
WESTERN	7,389.7	8,845.9	6,495.0	8,014.2	6,796.4	8,000.0	6,978.9	6,338.7	7,565.2	7,079.5
T. U.S. PROC	11,794.1	13,533.3	11,048.9	12,612.5	11,323.5	12,576.0	10,806.7	10,396.6	11,179.6	10,246.3

* Up thru 1981 includes lima beans, snap beans, beets, cabbage/kraut, sweet corn, cucumbers for pickles, green peas, spinach, tomatoes. Beginning in 1982 includes only snap beans, corn, green peas, tomatoes.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

*STATE SUMMARIES—TOTAL VALUE—1,000 DOLLARS

State	1974	1975	1976	1977	1978	1979	1980	1981	*1982	*1983
Maine	1,378	1,397	849	1,411	1,587	2,069	1,617	2,179	2,146	2,112
New Hamp	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vermont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mass	907	783	654	1,039	1,394	1,342	874	1,121	.....	.....
Conn	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New York	31,055	35,484	21,906	27,363	30,472	32,786	33,665	37,083	33,220	30,309
New Jersey	28 078	18,523	14,565	11,851	11,600	11,541	10,191	15,239	14,330	7,990
Penna	11,300	11,577	11,361	10,210	7,890	7,574	5,748	10,523	11,591	9,557
N. ATLANT	72,718	67,764	49,335	51,874	52,943	55,312	52,095	66,145	61,287	49,968
Ohio	34,180	39,134	45,175	38,418	37,194	36,954	29,481	34,888	32,841	34,651
Indiana	15,111	17,911	18,974	14,700	17,754	14,306	10,368	9,257	13,471	12,868
Illinois	23,840	35,038	32,207	29,584	29,591	33,795	26,678	32,360	25,535	21,045
Michigan	24,435	25,557	21,314	23,368	27,176	29,311	25,530	30,624	25,333	22,051
Wisconsin	79,547	88,714	78,721	93,648	81,013	105,105	97,434	108,331	83,891	85,230
Minnesota	40,063	44,190	39,407	53,045	50,432	54,067	49,663	56,267	64,003	46,988
Iowa	2,926	3,992	3,288	3,176	2,396	1,949	1,385	1,481	1,810	1,916
Missouri	307	332	175	265	211	138	329	512	280	210
N. Dakota	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S. Dakota	47	66	19	54	21	27	30	16	.....	.....
Nebraska	96	111	70	133	91	105	445	184	.....	.....
Kansas	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N. CENT	220,552	255,045	239,350	256,391	245,879	275,757	241,343	273,920	247,164	224,959
Delaware	11,109	11,490	7,340	7,853	11,458	9,349	8,964	10,370	8,258	5,639
Maryland	12,044	16,550	11,905	12,345	13,640	14,117	11,907	15,879	10,404	6,195
Virginia	6,505	6,658	5,906	4,702	6,730	6,175	3,467	3,181	3,366	1,132
W. Va.	916	612	199	110	47	60	11	37	30	28
N.C.	10,316	11,590	11,436	9,931	10,331	14,014	16,365	16,992	1,995	1,325
S.C.	2,416	3,276	2,600	3,521	4,615	4,246	4,180	5,134	85	19
Georgia	601	1,121	888	1,218	1,701	1,705	1,537	2,159	473	497
Florida	8,934	8,711	9,027	9,576	10,597	12,155	14,817	8,695	2,220	1,530
S. ATLANT	52,841	60,008	49,301	49,256	59,119	61,821	61,248	62,447	26,831	16,365
Kentucky	918	1,221	1,286	1,357	1,012	732	631	435	.....	.....
Tenn	6,007	5,794	4,112	4,746	3,755	3,270	3,352	4,818	3,645	1,784
Alabama	3,147	2,737	2,449	2,050	1,645	2,839	653	1,169	447	464
Miss	2,878	2,515	1,332	872	824	717	345	511	.....	.....
Arkansas	3,005	2,816	2,316	2,213	1,798	2,454	1,620	2,752	1,657	1,363
Louisiana	199	136	65	35	22	35	11	.....	.....	.....
Oklahoma	762	1,471	1,286	1,060	1,008	653	1,882	2,409	720	397
Texas	7,743	12,487	11,707	9,826	12,806	11,745	12,805	10,651	3,012	2,191
S. CENT	24,659	29,177	24,553	22,159	22,870	22,445	21,299	22,745	9,481	6,199
Montana	187	201	.....	.....	.....	.....	.....	.....	.....	.....
Idaho	14,937	16,098	14,691	10,190	13,779	14,214	12,959	13,937	15,584	11,463
Wyoming	264	545	.....	.....	.....	.....	.....	.....	.....	.....
Colorado	3,728	3,165	3,199	3,322	3,743	3,322	4,189	3,482	1,208	1,225
New Mexico	504	602	675	743	360	210	340	194	184	213
Arizona	425	631	456	205	305	216	216	60	.....	.....
Utah	2,168	2,497	2,066	1,680	1,601	2,308	2,245	2,479	2,145	1,493
Wash	51,302	53,946	43,073	38,340	47,592	56,966	41,676	44,291	59,824	38,988
Oregon	76,040	54,917	47,788	49,478	51,650	59,409	57,845	58,791	58,862	49,428
California	409,460	492,039	312,119	461,542	374,927	478,259	368,996	343,710	427,168	391,542
WESTERN	559,015	624,641	424,067	565,500	493,957	614,904	488,466	466,944	564,975	494,352
T. U.S. PROC	929,785	1,036,635	786,606	945,180	874,768	1,030,239	864,451	892,201	909,738	791,843

* Up thru 1981 includes lima beans, snap beans, beets, cabbage/kraut, sweet corn, cucumbers for pickles, green peas, spinach, tomatoes. Beginning in 1982 includes only snap beans, corn, green peas, tomatoes.

VEGETABLE CROPS FOR PROCESSING & FRESH MARKET

ASPARAGUS—HARVESTED ACREAGE—1,000 ACRES (Rounded)*

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981 †
Spring:										
California	45.7	45.0	44.1	38.2	33.9	30.3	28.0	26.4	27.9	27.3
Late Spring:										
New Jersey	13.8	10.4	6.8	4.6	3.3	2.3	1.9	1.6	1.5	1.5
Delaware	3.5	3.3	3.3	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Maryland	3.7	3.6	3.0	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Illinois	9.4	8.7	7.2	6.8	5.2	4.5	4.2	3.1	2.9	2.7
Michigan	14.5	15.4	17.0	17.8	18.0	19.0	19.5	19.5	19.5	19.0
Washington	21.7	22.0	23.4	21.0	20.4	20.2	21.0	21.0	22.2	23.7
Oregon	1.1	1.3	1.1	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Other States ...	5.7	5.7	6.6	14.2	11.8	11.2	9.2	9.1	9.0	6.5
Group Total	73.4	70.4	68.4	64.4	58.7	57.2	55.8	54.3	55.1	53.4
TOT. U.S.	119.1	115.4	112.5	102.6	92.6	87.5	83.8	80.7	83.0	80.7
PROCESSING ...	87.3	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
FRESH MKT ...	31.7	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

*For both fresh market and processing. † Survey discontinued with 1981 data. (a) Included in "Other States". n.a. Not available.

ASPARAGUS—YIELD PER ACRE—HUNDREDWEIGHT*

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981 †
Spring:										
California	34	28	29	28	37	37	28	35	28	30
Late Spring:										
New Jersey	13	12	13	14	13	14	14	17	15	19
Delaware	13	12	13	8	(a)	(a)	(a)	(a)	(a)	(a)
Maryland	16	14	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Illinois	15	12	12	14	9	11	9	11	13	10
Michigan	15	16	15	11	10	11	13	13	12	9
Washington	27	28	29	27	32	33	32	28	23	25
Oregon	25	21	20	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Other States ...	13	13	14	11	11	11	9	9	9	10
U.S. AVG	24	22	23	21	25	25	22	24	20	21

*For both fresh market and processing. † Survey discontinued with 1981 data. (a) Included in "Other States".

ASPARAGUS—PRODUC[illegible]—1,000 TONS (Rounded)**

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981 †
Spring:										
California	42.5	30.0	33.6	20.7	26.5	28.0	12.8	22.2	7.5	8.8
Late Spring:										
New Jersey	4.4	2.6	1.2	.4	(a)	(a)	(a)	(a)	(a)	(a)
Delaware	2.3	2.0	2.2	1.4	(a)	(a)	(a)	(a)	(a)	(a)
Maryland	2.8	2.4	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Illinois	6.6	4.7	3.9	4.3	2.0	2.1	1.6	1.4	(a)	(a)
Michigan	10.2	11.5	12.1	8.8	8.0	8.9	10.5	10.1	8.2	5.9
Washington	25.8	27.0	28.6	22.8	26.8	28.9	29.4	26.3	23.5	26.2
Oregon	1.4	1.4	1.0	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Other States ...	2.7	2.9	6.7	5.1	5.9	5.6	3.8	3.6	5.2	3.8
Group Total	56.0	54.3	55.5	42.7	42.7	45.4	45.3	41.3	36.9	35.9
Canning	61.7	61.8	74.7	43.2	41.3	48.5	43.2	39.4	34.5	35.0
For Freezing	36.8	22.5	14.3	20.2	27.9	24.9	14.8	24.1	9.9	9.7
PROCESSING ...	98.5	84.3	89.0	63.4	69.2	73.4	58.0	63.5	44.4	44.6
FRESH MKT ...	46.1	43.0	41.2	43.7	46.0	36.7	35.1	32.0	39.2	40.5
TOT. U.S.	144.6	127.3	130.2	107.1	115.2	110.0	93.1	95.5	83.6	85.1

**For processing only. † Survey discontinued with 1981 data. (a) Included in "Other States".

VEGETABLE CROPS FOR PROCESSING & FRESH MARKET—Cont.

ASPARAGUS—VALUE PER TON**—DOLLARS

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981†
Spring:										
California	426.00	443.00	474.00	475.00	494.00	594.00	683.00	838.00	780.00	816.00
Late Spring:										
New Jersey	463.00	515.00	506.00	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Delaware	419.00	462.00	532.00	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Maryland	448.00	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Illinois	447.00	553.00	627.00	501.00	528.00	638.00	798.00	912.00	(a)	(a)
Michigan	538.00	572.00	666.00	476.00	645.00	868.00	1,120.00	1,137.00	908.00	1,165.00
Washington	420.00	440.00	508.00	508.00	532.00	615.00	670.00	857.00	767.00	923.00
Oregon	396.00	428.00	489.00	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Other States ...	429.00	483.00	556.00	588.00	603.00	612.00	868.00	929.00	1,011.00	1,111.00
For Canning	457.00	486.00	532.00	516.00	560.00	650.00	755.00	893.00	816.00	941.00
For Freezing	410.00	427.00	493.00	469.00	501.00	614.00	816.00	911.00	852.00	984.00
U.S. AVG.	439.00	471.00	526.00	501.00	536.00	638.00	771.00	900.00	824.00	950.00

ASPARAGUS—TOTAL VALUE**—1,000 DOLLARS

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981†
Spring:										
California	18,105	13,290	15,903	9,809	13,066	16,632	8,708	18,604	5,850	7,140
Late Spring:										
New Jersey	2,014	1,339	607	200	(a)	(a)	(a)	(a)	(a)	(a)
Delaware	964	924	1,144	849	(a)	(a)	(a)	(a)	(a)	(a)
Maryland	1,254	1,109	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Illinois	2,928	2,571	2,414	2,154	1,056	1,308	1,277	1,231	(a)	(a)
Michigan	5,461	6,549	8,025	4,165	5,160	7,682	11,760	11,461	7,464	6,874
Washington	10,815	11,858	14,503	11,582	14,258	17,774	19,698	22,539	18,032	24,183
Oregon	535	578	465	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Other States ...	1,182	1,428	3,727	2,982	3,557	3,395	3,254	3,317	5,237	4,211
Group Total	25,153	26,356	30,885	21,932	24,031	30,159	35,989	38,548	30,733	35,268
For Canning	28,185	30,064	39,735	22,284	23,119	31,503	32,650	35,217	28,170	32,877
For Freezing	15,073	9,582	7,053	9,457	13,978	15,288	12,047	21,935	8,413	9,531
PROCESSING ...	43,258	39,646	46,788	31,741	37,097	46,791	44,697	57,152	36,583	42,408

**For processing only. †Survey discontinued with 1981 data. (a) Included in Other States.

Processing Times • Temperatures • Procedures

Just a part of the hundreds of topics
Covered in

A COMPLETE COURSE IN CANNING

Over 1,050 Pages 11th Edition — $75.00 Tel. 301-467-3338

THE CANNING TRADE, INC.

2619 Maryland Ave. • Baltimore, Md. 21218 USA

BROCCOLI—HARVESTED ACREAGE*—1,000 ACRES (Rounded)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
January-June										
Arizona	450	350	350	350	400	800	400	420	550	700
California	23,800	23,800	27,800	35,900	30,900	35,500	37,100	35,400	41,800	38,900
Texas	900	650	450	800	1,700	450	1,700	3,300	3,200	3,300
Season Total	25,150	24,800	28,600	37,050	33,000	36,750	39,200	39,120	45,550	42,900
July-December										
Arizona	250	250	300	500	400	250	350	300	250	300
California	21,800	22,600	22,600	31,900	33,500	32,500	35,500	36,000	40,000	40,000
Oregon	2,100	1,900	900	940	900	900	1,000	1,100	1,800	2,000
Texas	100	100	400	500	500	500	1,800	2,000	4,400	3,500
Season Total	24,250	24,850	24,200	33,840	35,300	34,150	38,650	39,400	46,450	45,800
TOT. U.S.	49,400	49,650	52,800	70,890	68,300	70,900	77,850	78,520	92,000	88,700

BROCCOLI—YIELD PER ACRE*—HUNDREDWEIGHT

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
January-June										
Arizona	50	55	50	55	53	60	62	69	75	77
California	85	92	88	85	79	89	89	100	100	90
Texas	39	26	67	65	64	47	55	86	88	84
Season Avg.	83	90	87	84	78	88	87	98	99	89
July-December										
Arizona	60	70	50	60	54	76	59	80	60	70
California	77	68	75	76	81	90	88	93	94	87
Oregon	78	84	81	86	84	100	99	99	110	82
Texas	40	30	50	50	26	55	50	94	78	78
Season Avg.	76	69	75	76	80	90	87	93	93	86
U.S. AVG.	80	79	81	80	79	89	87	96	96	88

BROCCOLI—PRODUCTION**—1,000 TONS (Rounded)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
California	108.6	87.9	100.2	150.9	131.4	148.0	142.9	144.6	159.6	108.3
Other States	8.6	7.4	2.6	5.3	6.3	4.3	5.1	5.6	10.6	10.2
PROCESSING	117.2	95.3	102.8	156.1	137.6	152.3	147.9	150.2	170.2	118.5
FRESH MKT.	79.5	101.8	111.7	128.6	132.4	162.8	189.8	225.9	270.7	270.0
TOT. U.S.	196.7	197.0	214.5	284.7	270.0	315.1	337.7	376.1	441.0	388.5

BROCCOLI—VALUE PER TON**—DOLLARS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
California	242.00	252.00	252.00	272.00	296.00	320.00	376.00	378.00	394.00	390.00
Other States	277.00	261.00	180.00	220.00	225.00	295.00	312.00	324.00	336.00	324.00
U.S. PROC. AV.	245.00	253.00	250.00	270.00	293.00	319.00	374.00	376.00	390.00	384.00

BROCCOLI—TOTAL VALUE**—1,000 DOLLARS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
California	26,269	22,138	25,250	41,031	38,880	47,360	53,712	54,659	62,882	42,237
Other States	2,379	1,930	459	1,155	1,409	1,267	1,574	1,828	3,567	3,300
U.S. PROC.	28,648	24,068	25,709	42,186	40,289	48,627	55,286	56,487	66,449	45,537

*For fresh market and processing. **For processing only.

VEGETABLE CROPS FOR PROCESSING & FRESH MARKET—Cont.

CARROTS—HARVESTED ACREAGE*—1,000 ACRES (Rounded)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Winter (a)	*22.1*	*18.0*	*20.3*	*16.7*	*17.8*	*(a)*	*(a)*	*(a)*	*(a)*	*(a)*
Arizona	.6	.5	.5	.6	.7	(a)	(a)	(a)	(a)	(a)
Calif. Des. †	5.3	4.4	4.4	4.0	3.8	(a)	(a)	(a)	(a)	(a)
Calif. Other	5.6	4.1	4.9	4.1	4.1	(a)	(a)	(a)	(a)	(a)
Texas	10.6	9.0	10.5	8.0	9.2	(a)	(a)	(a)	(a)	(a)
Spring (a)	*17.1*	*14.6*	*17.3*	*15.0*	*18.0*	*34.1*	*32.6*	*32.3*	*34.6*	*38.0*
Arizona	1.8	1.0	1.5	1.2	1.3	1.9	1.8	1.6	2.6	3.1
Calif. Des. †	5.8	5.2	5.7	5.7	7.3	10.2	11.1	8.6	8.9	11.9
Calif. Other	4.4	4.8	4.8	4.9	4.7	10.3	10.6	10.4	11.5	12.0
Texas	5.1	3.6	5.3	3.2	4.7	11.7	9.1	11.7	11.6	11.0
Summer (b)	*14.8*	*14.0*	*14.0*	*14.6*	*14.7*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
Calif. Other	6.4	7.2	6.3	6.8	7.4	(b)	(b)	(b)	(b)	(b)
Colorado	1.4	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.0	1.1
Illinois	.3	.3	.3	.3	.4	.3	.3	.....	.....	.....
Michigan	2.9	2.7	3.3	3.0	3.2	(b)	(b)	(b)	(b)	(b)
Texas	.9	.8	.7	.8	.5	(b)	(b)	(b)	(b)	(b)
Washington	1.5	.6	.7	1.0	1.0	(b)	(b)	(b)	(b)	(b)
Wisconsin	1.4	1.4	1.7	1.7	1.2	(b)	(b)	(b)	(b)	(b)
Fall (b)	*24.6*	*23.5*	*21.9*	*23.4*	*26.3*	*44.1*	*39.9*	*41.6*	*44.8*	*41.9*
Calif. Des.	.8	.7	.7	.5	.8	1.0	.6	.5	.6	.5
Calif. Other	6.0	6.7	6.2	7.0	7.3	15.5	14.3	14.4	14.9	15.4
Michigan	2.7	1.9	2.7	2.6	2.9	.6	5.6	5.6	6.7	7.2
Minnesota †	1.1	1.1	1.0	1.5	1.9	1.7	1.3	1.3	1.5	1.3
New York	1.7	1.3	1.3	1.1	1.2	1.1	1.0	1.1	1.6	1.6
Oregon	1.6	1.1	1.0	1.2	1.3	1.4	1.5	2.0	2.3	1.8
Texas	2.7	4.2	2.3	2.2	3.4	4.4	4.5	4.8	5.5	4.3
Washington	3.0	2.4	3.4	4.0	3.5	5.0	4.2	4.4	4.8	3.7
Wisconsin †	2.6	2.0	1.6	1.8	2.5	4.5	3.8	4.5	4.0	3.2
Other States	2.4	2.0	1.7	1.5	1.5	1.6	1.8	1.9	1.9	1.8
TOT. U.S.	78.6	70.1	73.5	69.6	76.8	78.2	72.5	73.9	79.4	79.9

*For both fresh market and processing. (a) Winter & Spring combined beginning 1979. (b) Summer & Fall combined beginning 1979.

CARROTS—YIELD PER ACRE*—HUNDREDWEIGHT

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Winter	*230*	*204*	*207*	*201*	*228*	*(a)*	*(a)*	*(a)*	*(a)*	*(a)*
Arizona	170	110	120	140	150	(a)	(a)	(a)	(a)	(a)
Calif. Des. †	265	245	240	260	250	(a)	(a)	(a)	(a)	(a)
Calif. Other	365	290	310	270	295	(a)	(a)	(a)	(a)	(a)
Texas	145	150	150	140	195	(a)	(a)	(a)	(a)	(a)
Spring	*265*	*246*	*227*	*228*	*211*	*213*	*228*	*234*	*258*	*258*
Arizona	165	100	110	150	115	120	140	135	170	175
Calif. Des †	315	240	245	190	200	231	224	280	320	250
Calif. Other	375	340	360	320	330	307	314	300	335	335
Texas	150	170	120	185	130	129	151	155	155	205
Summer	*327*	*325*	*295*	*322*	*265*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
Calif. Other	355	365	300	345	230	(b)	(b)	(b)	(b)	(b)
Colorado	274	230	280	220	250	245	240	350	350	225
Illinois	280	240	300	350	295	310	255	.....	.....	.....
Michigan	220	240	260	230	255	(b)	(b)	(b)	(b)	(b)
Texas	210	270	180	125	180	(b)	(b)	(b)	(b)	(b)
Washington	430	320	345	435	420	(b)	(b)	(b)	(b)	(b)
Wisconsin	450	405	375	470	420	(b)	(b)	(b)	(b)	(b)
Fall	*344*	*308*	*321*	*333*	*309*	*312*	*303*	*311*	*324*	*298*
Calif. Des	260	240	210	190	215	210	190	205	210	230
Calif. Other	350	290	250	285	270	294	311	285	310	280
Michigan	255	255	290	235	275	260	239	235	255	230
Minnesota †	300	280	430	430	365	380	380	320	370	340
New York	350	360	350	310	300	290	365	355	330	325
Oregon	394	441	445	440	345	440	465	445	435	370
Texas	153	156	186	155	180	152	151	195	165	220
Washington	465	465	455	475	400	447	467	400	435	390
Wisconsin †	500	445	390	465	410	417	296	420	450	465
Other States	337	336	363	355	413	404	349	394	443	372
U.S. AVG.	292	272	262	277	258	269	270	277	295	279

*For both fresh market & processing. † Excludes the following quantities not harvested or not marketed because of economic conditions - 1976, winter, Calif. desert, 96,000 cwt - spring, Calif. desert, 147,000 cwt; 1977 fall, Wis. 5,000 cwt; 1978, fall, Minn. 28,000 cwt, 9,000 cwt. (a) Winter & Spring combined beginning 1979. (b) Summer & Fall combined beginning 1979.

VEGETABLE CROPS FOR PROCESSING & FRESH MARKET—Cont.

CARROTS—PRODUCTION**—1,000 TONS (Rounded)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Michigan	12.1	10.9	22.3	13.0	26.3	29.2	23.0	24.3	30.9	26.1
Minnesota	12.9	11.2	19.7	20.7	22.2	17.7	12.3	10.8	13.7	13.7
New York	18.9	17.0	11.5	8.6	13.7	12.1	10.3	11.3	15.3	15.3
Wisconsin	80.0	59.3	53.5	76.7	68.8	(a)	(a)	(a)	(a)	(a)
NORTHERN	123.9	98.3	107.0	118.9	130.9	58.9	45.6	46.4	59.9	55.1
California	183.6	110.6	102.2	139.4	113.3	156.2	120.6	75.0	83.0	119.0
Oregon	27.1	20.4	17.5	22.6	19.5	27.6	27.1	36.8	41.0	26.5
Texas	29.5	21.3	30.0	22.0	44.7	19.1	18.8	23.2	28.8	46.4
Washington	79.4	48.5	59.0	96.2	80.8	90.0	67.1	63.0	87.3	51.7
WESTERN	319.6	200.8	208.6	280.2	258.3	292.8	233.5	198.0	240.0	243.6
OTHER STATES	38.3	30.6	30.7	27.7	33.4	117.2	80.1	121.6	119.9	97.4
PROCESSING ...	481.8	329.7	346.3	426.8	422.5	469.0	359.2	366.0	419.8	396.2
FRESH MKT. ...	664.5	621.2	617.7	536.8	568.7	581.8	617.8	657.3	751.2	717.2
TOT. U.S.	1,146.2	950.8	963.9	963.6	991.2	1,050.7	976.9	1,023.3	1,156.7	1,113.3

CARROTS—VALUE PER TON**—DOLLARS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Michigan	68.50	70.00	41.20	51.30	49.10	44.50	58.00	49.50	52.50	48.40
Minnesota	32.40	32.00	32.20	33.10	33.50	44.00	54.30	47.80	55.00	61.90
New York	48.80	50.80	50.30	44.60	46.50	50.00	59.30	62.90	62.10	63.40
Wisconsin	46.30	46.60	44.30	56.30	57.80	(a)	(a)	(a)	(a)	(a)
California	35.30	44.90	40.30	49.50	55.00	49.60	55.60	58.60	64.60	72.20
Oregon	39.40	28.10	32.00	36.40	33.60	39.40	44.30	44.50	41.80	40.80
Texas	67.50	37.70	41.70	31.80	33.70	36.40	42.00	42.60	22.00	22.00
Washington	31.90	43.30	32.00	30.60	31.70	29.30	34.40	39.40	36.20	36.40
Other States	36.30	39.00	41.50	44.20	51.90	60.10	68.00	68.00	67.50	68.40
U.S. PROC. AV. .	40.10	43.60	39.20	43.70	45.70	46.70	53.00	55.20	53.10	56.30

CARROTS—TOTAL VALUE**—1,000 DOLLARS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Michigan	829	763	919	667	1,291	1,299	1,333	1,203	1,620	1,265
Minnesota	418	358	634	685	744	777	668	516	753	850
New York	922	861	576	381	635	604	611	711	953	967
Wisconsin	3,704	2,761	2,370	4,315	3,975	(a)	(a)	(a)	(a)	(a)
NORTHERN.....	5,873	4,743	4,499	6,048	6,645	2,680	2,612	2,430	3,326	3,082
California	6,479	4,966	4,119	6,900	6,232	7,745	6,705	4,395	5,359	8,592
Oregon	1,068	573	558	823	655	1,086	1,198	1,639	1,712	1,081
Texas	1,991	803	1,251	700	1,506	695	789	986	634	1,021
Washington	2,533	2,098	1,886	2,944	2,560	2,637	2,308	2,481	3,161	1,883
WESTERN	12,071	8,440	7,814	11,367	10,953	12,163	11,000	9,501	10,866	12,577
OTHER STATES	1,390	1,192	1,273	1,223	1,730	7,041	5,440	8,272	8,088	6,658
U.S. PROC.	19,334	14,375	13,586	18,638	19,328	21,884	19,052	20,203	22,280	22,317

**For Processing Only. (a) Included in "OTHER STATES".

CAULIFLOWER—HARVESTED ACREAGE*—1,000 ACRES (Rounded)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Winter (c)	*5.2*	*5.2*	*6.9*	*7.1*	*5.8*	*15.0*	*14.1*	*14.9*	*16.3*	*18.4*
Arizona	.7	.9	.8	1.1	1.0	1.8	1.6	1.7	1.5	2.9
California	4.1	4.2	6.0	5.9	4.3	12.8	11.8	12.8	14.1	14.5
Texas	.4	.1	.2	.1	.5	.4	.7	.4	.7	1.0
Spring (c)	*4.6*	*4.6*	*5.2*	*5.9*	*5.2*	*(c)*	*(c)*	*(c)*	*(c)*	*(c)*
California	4.6	4.6	5.2	5.9	5.2	(c)	(c)	(c)	(c)	(c)
Summer (b)	*8.0*	*6.6*	*7.2*	*7.9*	*10.9*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
California	7.2	5.6	5.9	6.8	9.9	(b)	(b)	(b)	(b)	(b)
Michigan	.....	.....	.....	.....	.....	(b)	(b)	(b)	(b)	(b)
New York	.8	1.0	1.3	1.1	1.0	(b)	(b)	(b)	(b)	(b)
Washington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fall (b)	*14.5*	*15.6*	*14.2*	*16.3*	*19.6*	*27.8*	*29.2*	*31.1*	*34.8*	*34.8*
Arizona	.1	.3	.3	.3	.3	.4	.6	.5	.7	.8
California	9.9	10.6	9.4	11.4	14.0	20.9	22.1	23.5	25.9	25.4
Michigan	.9	.8	.7	1.0	1.1	1.1	1.0	1.0	1.2	1.2
New York	1.8	2.2	1.6	1.6	1.6	3.0	3.2	3.6	3.7	3.5
Oregon	1.7	1.7	1.9	1.9	2.1	2.1	2.0	2.0	2.9	3.1
Texas	.1	.1	.4	.1	.5	.3	.3	.5	.4	.8
TOT U.S.	32.2	31.9	33.5	37.2	41.5	42.8	43.3	46.0	51.1	53.2

CAULIFLOWER—YIELD PER ACRE*—HUNDREDWEIGHT

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Winter (c)	*77*	*78*	*83*	*74*	*71*	*88*	*95*	*115*	*96*	*103*
Arizona	60	65	60	68	68	89	110	120	135	120
California	80	80	85	75	70	90	94	115	93	100
Texas	69	115	100	91	80	18	78	76	77	92
Spring (c)	*90*	*90*	*90*	*100*	*81*	*(c)*	*(c)*	*(c)*	*(c)*	*(c)*
California	90	90	90	100	81	(c)	(c)	(c)	(c)	(c)
Summer (b)	*95*	*85*	*99*	*101*	*105*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
California	95	85	105	105	110	(b)	(b)	(b)	(b)	(b)
Michigan	.....	.....	.....	.....	.....	(b)	(b)	(b)	(b)	(b)
New York	95	88	76	77	65	(b)	(b)	(b)	(b)	(b)
Washington	.....	.....	.....	.....	.....	(b)	(b)	(b)	(b)	(b)
Fall (b)	*101*	*103*	*93*	*108*	*93*	*101*	*100*	*113*	*109*	*110*
Arizona	65	65	60	60	55	83	105	160	115	120
California	105	100	85	105	90	97	93	105	99	105
Michigan	55	65	55	50	50	70	50	62	58	55
New York	104	110	115	125	100	96	102	128	123	113
Oregon	105	140	135	150	155	170	195	195	200	170
Texas	60	90	57	70	18	40	85	80	90	90
U.S. AVG.	94	94	92	99	92	96	98	113	105	107

CAULIFLOWER—PRODUCTION**—1,000 TONS (Rounded)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
California	65.7	50.2	43.8	64.0	85.0	59.8	55.0	69.6	71.0	69.9
Michigan	1.2	1.5	.2	1.4	(a)	(a)	(a)	(a)	(a)	(a)
New York	1.0	1.4	.3	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Other States	6.2	9.2	10.0	12.7	14.6	14.7	17.7	17.0	26.5	28.1
PROCESSING	74.0	62.2	54.1	78.1	99.6	74.5	72.7	86.6	97.5	98.0
FRESH MKT.	77.7	87.2	99.5	105.7	90.9	131.4	140.1	173.9	170.2	187.6
TOT. U.S.	151.7	149.4	153.6	183.7	190.4	205.9	212.8	260.4	267.7	285.6

CAULIFLOWER—VALUE PER TON**—DOLLARS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
California	162.00	174.00	176.00	208.00	220.00	214.00	248.00	254.00	275.00	278.00
Michigan	121.00	130.00	133.00	(a)	(a)	(a)	(a)	(a)	(a)	(a)
New York	138.00	59.20	120.00	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Other States	166.00	164.00	159.00	143.00	170.00	148.00	174.00	193.00	192.00	204.00
U.S. PROC. AV.	161.00	169.00	173.00	196.00	213.00	201.00	230.00	242.00	252.00	257.00

*For fresh market and processing. **For processing only. (a) Included in Other States. (b) Beginning 1979 Summer combined with Fall. (c) Beginning 1979 Spring combined with Winter.

VEGETABLE CROPS FOR PROCESSING & FRESH MARKET—Cont.

CAULIFLOWER—TOTAL VALUE**—1,000 DOLLARS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
California	10,635	8,726	7,700	13,312	18,689	12,797	13,640	17,678	19,525	19,432
Michigan	139	189	20	(a)	(a)	(a)	(a)	(a)	(a)	(a)
New York	138	80	30	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Other States	1,029	1,509	1,583	2,003	2,482	2,187	3,079	3,271	5,091	5,727
TOT U.S. PROC	11,941	10,504	9,333	15,315	21,171	14,984	16,719	20,949	24,616	25,159

**For processing only. (a) Included in Other States.

*SWEET POTATOES—HARVESTED ACREAGE—1,000 ACRES

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Maryland	1.8	1.8	1.6	1.6	1.4	1.4	1.3	1.3	1.3	1.1
New Jersey	2.0	2.2	2.3	2.4	2.6	2.7	2.4	2.5	2.9	2.4
Virginia	7.4	6.5	5.7	5.0	4.2	3.9	2.1	2.3	2.2	1.2
MID ATL	11.2	10.5	9.6	9.0	8.2	8.0	5.8	6.1	6.4	4.7
N. Carolina	29.0	31.0	33.0	33.0	37.0	40.0	37.0	39.0	41.0	35.0
S. Carolina	2.5	2.5	2.8	2.7	2.8	3.1	2.5	3.5	4.0	3.5
Georgia	6.5	6.0	5.9	5.0	5.5	5.5	4.5	5.6	6.3	5.8
LOWER ATL	38.0	39.5	41.7	40.7	45.3	48.6	44.0	48.1	51.3	44.3
Alabama	5.5	5.8	5.5	5.3	5.5	5.7	5.3	5.4	5.5	4.9
Arkansas	1.7	1.3	1.2	1.0	.8	.7	.6	.....	.....	.....
Louisiana	33.0	30.0	29.0	27.0	28.0	27.0	25.0	26.0	25.0	24.0
Mississippi	9.0	7.9	7.5	5.4	4.7	4.7	4.6	5.2	5.0	4.7
Tennessee	3.0	2.0	2.2	1.4	1.5	2.0	2.0	1.8	1.5	1.4
Texas	10.0	10.0	10.5	9.5	9.5	7.9	6.5	7.8	7.2	7.1
S. CENTRAL	62.2	57.0	55.9	49.6	50.0	48.0	44.0	46.2	44.2	42.1
California	6.7	7.3	7.6	7.8	8.7	9.6	8.4	8.9	9.2	8.8
U.S.†	118.1	114.3	114.8	107.1	112.2	114.2	102.2	109.3	111.1	99.9

*All uses.

*SWEET POTATOES—YIELD PER ACRE—CWT

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Maryland	160	170	155	155	160	155	150	175	195	165
New Jersey	120	110	115	105	110	115	115	110	110	90
Virginia	135	150	145	125	130	130	115	150	150	115
N. Carolina	125	130	130	130	130	120	115	120	140	120
S. Carolina	91	100	90	105	120	110	95	95	125	115
Georgia	120	125	120	90	110	115	100	115	130	125
Alabama	100	90	90	85	100	110	100	115	120	105
Arkansas	75	80	80	75	80	75	60	.....	.....	.....
Louisiana	105	85	95	90	95	95	85	100	100	95
Mississippi	90	100	110	105	95	95	90	95	100	95
Tennessee	90	100	105	100	100	105	80	80	85	80
Texas	85	115	105	95	110	130	80	95	110	120
California	165	140	155	150	160	170	180	185	190	195
U.S. AVG.	113	113	116	111	117	117	107	117	129	118

*All uses.

SWEET POTATOES—PRODUCTION—1,000 CWT

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Maryland	288	306	248	248	224	217	195	228	254	182
New Jersey	240	242	265	252	286	311	276	275	319	216
Virginia	999	975	827	625	546	507	242	345	330	138
MID ATL	1,527	1,523	1,340	1,125	1,056	1,035	713	848	903	536
N. Carolina	3,625	4,030	4,290	4,290	4,810	4,800	4,255	4,680	5,740	4,200
S. Carolina	228	250	252	284	336	341	238	333	500	403
Georgia	780	750	703	450	605	633	450	644	819	725
LOWER ATL	4,633	5,030	5,250	5,024	5,751	5,774	4,943	5,657	7,059	5,328
Alabama	550	522	495	451	550	627	530	621	660	515
Arkansas	128	104	96	75	64	53	36	.....	.....	.....
Louisiana	3,465	2,550	2,755	2,430	2,660	2,565	2,125	2,600	2,500	2,280
Mississippi	810	790	825	567	447	447	414	494	500	447
Tennessee	270	200	231	140	150	210	160	144	128	112
Texas	850	1,150	1,103	903	1,045	1,027	520	741	792	852
S. CENTRAL	6,073	5,316	5,505	4,566	4,916	4,929	3,785	4,600	4,580	4,206
California	1,106	1,022	1,178	1,170	1,392	1,632	1,512	1,647	1,748	1,716
U.S.†	13,339	12,891	13,273	11,885	13,115	13,370	10,953	12,752	14,290	11,786

MUSHROOMS—PRODUCTION, SALES, USE, VALUE

Source: Statistical Reporting Service U.S.D.A

Crop year beginning July 1 of year shown

	1974	1975	1976	1977	1978	1979	1980	1981	1982	*1983
Production Area—1,000 sq. ft.										
California........	(a)	(a)	(a)	(a)	(a)	(a)	23,976	23,846	23,777	23,865
Pennsylvania	62,116	63,647	67,057	73,933	72,705	72,984	72,033	75,360	68,620	70,706
Other States	48,805	51,064	50,635	61,168	74,033	77,774	44,337	42,120	42,998	45,513
Total U.S.	110,921	114,711	117,692	135,101	146,738	150,758	140,346	141,326	135,395	140,084
Production—1,000 lbs.										
California........	(a)	(a)	(a)	(a)	(a)	(a)	83,433	87,543	89,414	n.a.
Pennsylvania	178,622	178,917	198,606	220,058	213,790	213,709	237,463	273,048	246,582	n.a.
Other States	120,459	130,899	148,523	178,645	240,217	256,360	148,680	156,555	154,826	n.a.
Total U.S.	299,081	309,816	347,129	398,703	454,007	470,069	469,576	517,146	490,822	n.a.
Price Per Pound—Cents										
California........	(a)	(a)	(a)	(a)	(a)	(a)	96.6	102.0	111.0	n.a.
Pennsylvania	44.4	58.6	69.0	72.3	71.5	66.3	67.4	65.8	70.0	n.a.
Other States	56.4	65.9	79.9	83.1	87.0	88.6	90.0	96.0	102.9	n.a.
Value of Production—$1,000										
California........	(a)	(a)	(a)	(a)	(a)	(a)	80,600	88,907	99,415	n.a.
Pennsylvania	79,328	104,901	137,017	159,058	152,893	141,601	160,019	179,557	172,607	n.a.
Other States	67,914	86,197	118,661	148,530	208,907	226,996	133,880	150,242	159,380	n.a.
Total U.S.	147,242	191,098	255,678	307,588	361,800	368,597	374,499	418,706	431,402	n.a.
Sales to Processors—1,000 lbs.										
Pennsylvania	119,136	114,327	135,823	144,798	152,568	143,660	149,602	152,907	117,251	n.a.
[1]Other East......	53,827	53,368	60,059	62,825	71,901	70,563	13,864	9,898	10,503	n.a.
[2]Central.........							24,316	26,223	16,945	n.a.
[3]West...........							6,742	8,986	8,893	n.a.
Total..........	172,963	167,695	195,882	207,623	224,469	214,223	194,524	198,014	153,592	n.a.
Price Per lb. to Proc.—Cents										
Pennsylvania	38.6	52.8	62.9	65.7	64.5	57.3	58.1	55.2	59.3	n.a.
[1]Other East......	46.0	53.4	75.9	64.2	63.6	58.3	55.1	48.1	55.0	n.a.
[2]Central.........							61.4	59.7	72.3	n.a.
[3]West...........							68.0	56.7	65.5	n.a.
U.S............	40.9	53.0	66.9	65.2	64.2	57.6	58.6	55.5	60.8	n.a.
Value of Proc. Sales—$1,000										
Pennsylvania	45,933	60,347	85,462	95,125	98,335	82,249	86,919	84,405	69,530	n.a.
[1]Other East......	24,757	28,517	45,603	40,304	45,695	41,147	7,635	4,761	5,773	n.a.
[2]Central.........							14,923	15,643	12,244	n.a.
[3]West...........							4,583	5,092	5,826	n.a.
Total..........	70,690	88,864	131,065	135,429	144,030	123,396	114,060	109,901	93,373	n.a.
Sales to Fresh Market—1,000 lbs.										
Pennsylvania	59,486	64,590	62,783	75,260	61,222	70,049	87,861	120,141	129,331	n.a.
[1]Other East......	66,632	77,531	88,464	115,820	168,316	185,797	42,016	47,763	44,511	n.a.
[2]Central.........							34,639	34,367	40,857	n.a.
[3]West...........							110,536	116,861	122,531	n.a.
Total..........	126,118	142,121	151,247	191,080	229,538	255,846	275,052	319,132	337,230	n.a.

See footnotes on next page.

MUSHROOMS—PRODUCTION, SALES, USE, VALUE—Continued

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Price Per Lb. to Fresh Market—Cents										
Pennsylvania	56.1	69.0	82.1	84.9	89.1	84.7	83.2	79.2	79.7	n.a.
[1]Other East	64.8	74.4	82.6	93.4	97.0	100.1	101.0	100.0	112.0	n.a.
[2]Central							95.3	97.3	103.0	n.a.
[3]West							101.0	113.0	117.0	n.a.
U.S.	60.7	71.9	82.4	90.1	94.9	95.8	94.7	96.8	100.0	n.a.
Value of Fresh Market Sales										
Pennsylvania	33,395	44,554	51,555	63,933	54,558	59,352	73,100	95,152	103,077	n.a.
[1]Other East	43,157	57,680	73,058	108,226	163,212	185,849	42,336	47,922	49,650	n.a.
[2]Central							33,003	33,445	41,951	n.a.
[3]West							112,000	132,286	143,351	n.a.
Total	76,552	102,234	124,613	172,159	217,770	245,201	260,439	308,805	338,029	n.a.

(a) Included in Other States. n.a. Not yet available. *Filling intentions - represents area intended for use during 1983-84 season. [1]Federal Regions I-IV including Conn., Del., Fla, Ky. (except 1982-83), MD, Mass. (1980-81 only), NY, NJ, Tenn., Va. and W. Va. (beginning 1982-83). [2]Federal Regions V-VII including Ill., Ind., Mich., Minn. (except 1982-83), Mo. (1980-81 only), Ohio and Wis. [3]Federal Regions VI, VIII, IX, and X including Calif., Colo., Oreg., Texas, Utah and Wash. La. and Okla. beginning 1981-82. HAW (except 1982-83) and S. Dak. (1980-81 only).

FRUIT CROPS—UTILIZATION, PRICE, VALUE

Source: Crop Reporting Board, Statistical Reporting Service, U.S.D.A.

APPLES—UTILIZED PRODUCTION, PRICE, VALUE

State	Utilized production			Price per pound			Value of utilized prod.		
	1981	1982	1983	1981	1982	1983	1981	1982	1983
	Million pounds			Cents			1,000 Dollars		
Arkansas	20.5	8.0	20.0	9.6	15.1	10.1	1,958	1,207	2,011
California	606.0	480.0	460.0	7.1	11.2	10.7	42,924	53,847	49,197
Colorado	75.0	40.0	84.0	10.0	10.3	9.1	7,515	4,109	7,632
Connecticut	38.0	55.0	42.0	17.7	16.1	16.5	6,721	8,860	6,940
Delaware	13.1	14.5	13.5	14.1	9.8	11.6	1,841	1,423	1,571
Georgia	40.0	14.0	19.0	9.3	10.8	8.1	3,729	1,516	1,545
Idaho	130.0	126.0	130.0	16.0	16.1	20.6	20,740	20,328	26,838
Illinois	103.00	88.0	90.0	12.9	13.3	13.0	13,247	11,682	11,730
Indiana	67.0	75.0	57.0	13.8	13.8	17.2	9,242	10,363	9,816
Iowa	11.0	10.8	10.5	15.6	14.5	18.0	1,715	1,568	1,887
Kansas	11.9	11.3	10.2	10.3	13.5	14.0	1,230	1,528	1,423
Kentucky	20.4	11.4	13.3	13.0	15.4	14.0	2,651	1,759	1,858
Maine	80.0	89.0	82.0	17.4	14.5	15.3	13,916	12,872	12,572
Maryland	70.0	80.0	77.0	13.8	13.7	12.6	9,642	10,976	9,676
Massachusetts	83.0	100.0	97.0	19.9	17.3	17.6	16,501	17,290	17,112
Michigan	660.0	980.0	750.0	9.1	6.9	8.9	59,760	68,000	67,000
Minnesota	21.0	24.0	21.0	19.3	19.0	21.6	4,057	4,559	4,532
Missouri	62.0	45.0	45.0	16.4	15.0	15.6	10,170	6,771	7,030
New Hampshire	45.0	56.0	57.0	19.0	15.5	16.4	8,560	8,683	9,356
New Jersey	95.0	140.0	100.0	13.0	10.3	12.5	12,330	14,448	12,450
New Mexico	17.0	12.0	6.0	12.6	12.4	14.4	2,142	1,484	864
New York	800.0	1,130.0	1,100.0	12.8	8.9	8.7	102,300	100,490	95,600
North Carolina	372.0	170.0	400.0	7.5	8.1	6.7	28,004	13,770	26,740
Ohio	100.0	150.0	100.0	20.6	13.5	15.6	20,578	20,254	15,640
Oregon	155.0	150.0	165.0	11.4	10.0	12.3	17,682	15,045	20,340
Pennsylvania	400.0	525.0	440.0	9.5	9.3	8.7	37,981	48,908	38,455
Rhode Island	4.5	6.0	5.0	18.5	16.0	16.5	832	960	823
South Carolina	35.0	6.0	23.0	8.0	11.4	8.3	2,801	682	1,915
Tennessee	9.5	4.2	8.2	12.9	17.7	18.0	1,230	742	1,476
Utah	53.0	54.0	58.0	10.7	12.9	15.4	5,678	6,948	8,945
Vermont	28.0	50.0	46.0	17.3	14.7	16.2	4,852	7,344	7,434
Virginia	465.0	500.0	390.0	10.4	9.7	8.7	48,314	48,388	34,000
Washington	2,760.0	2,615.0	3,000.0	10.9	9.7	10.4	301,530	252,895	311,608
West Virginia	200.0	230.0	206.0	11.5	9.2	10.3	22,925	21,127	21,308
Wisconsin	55.0	51.0	52.0	14.0	13.5	16.8	7,683	6,882	8,730
United States	7,705.9	8,101.2	8,177.7	11.1	10.0	10.5	852,981	807,708	856,054

APPLES—UTILIZATION, PRICE—SELECTED STATES

	UTILIZATION (million pounds)				PRICE (dollars per ton)			
	1979	1980	1981	1982	1979	1980	1981	1982
California								
Canned	134.0	124.0	120.0	70.0	177.00	97.00	89.0	155.00
Juice/cider	244.0	200.0	314.0	246.0	155.00	69.00	59.00	133.00
Frozen	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried	92.0	36.0	28.0	17.0	165.00	94.00	80.00	134.00
Other	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Proc.	470.0	360.0	462.0	333.0	163.00	81.00	68.00	138.00
Fresh	130.0	160.0	144.0	147.0	338.00	272.00	378.00	420.00
Michigan								
Canned	163.0	119.0	103.0	143.0	134.00	102.00	145.00	127.00
Juice/cider	218.0	331.0	216.0	367.0	102.00	72.00	120.00	86.00
Frozen	57.0	80.0	98.0	96.0	130.00	106.00	162.00	144.00
Dried	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Other	7.0	45.0	3.0	9.0	122.00	92.00	160.00	120.00
Total Proc.	445.0	575.0	420.0	615.0	118.00	85.00	136.00	105.00
Fresh	235.0	325.0	240.0	365.0	230.00	190.00	260.00	194.00
New York								
Canned	232.0	257.0	180.0	310.0	118.00	94.00	138.00	124.00
Juice/cider	289.0	335.0	214.0	303.0	82.00	76.00	110.00	95.00
Frozen	46.0	45.0	25.0	43.0	142.00	124.00	178.00	134.00
Dried	47.0	34.0	19.0	32.0	110.00	90.00	134.00	118.00
Other	16.0	19.0	12.0	32.0	140.00	88.00	164.00	159.00
Total Proc.	630.0	690.0	450.0	720.0	103.00	86.00	127.00	114.00
Fresh	405.0	410.0	350.0	410.0	350.00	360.00	420.00	290.00
Pennsylvania								
Canned	218.8	193.1	145.7	215.8	117.00	106.00	119.00	135.00
Juice/cider	123.0	161.9	97.4	118.4	91.00	64.00	93.00	102.00
Frozen	2.6	5.3	2.4	1.1	136.00	118.00	154.00	150.00
Dried	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Other	2.9	1.9	2.3	5.9	87.00	64.00	91.00	112.00
Total Proc.	347.3	362.2	247.8	341.2	108.00	88.00	109.00	123.00
Fresh	187.7	207.8	152.2	183.8	296.00	258.00	320.00	302.00
Virginia								
Canned	193.0	163.9	150.8	191.0	110.00	96.00	129.00	131.00
Juice/cider	111.6	91.4	105.8	109.0	80.00	72.00	104.00	101.00
Frozen	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Other	n.a.	18.3	12.0	2.5	n.a.	70.00	87.00	87.00
Total Proc.	330.0	288.0	292.0	328.0	99.00	88.0	119.00	122.00
Fresh	140.0	132.0	173.0	172.0	334.0	306.00	356.00	330.00
Washington								
Canned	100.0	89.0	97.0	80.0	132.00	70.00	87.00	145.00
Juice/cider	491.2	505.0	430.0	331.0	108.00	76.00	65.00	112.00
Frozen	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried	108.0	n.a.	n.a.	n.a.	125.00	n.a.	n.a.	n.a.
Other	60.1	44.0	27.0	25.0	117.00	107.00	96.00	76.00
Total Proc.	759.3	755.0	690.0	585.0	114.00	77.00	70.00	121.00
Fresh	1,859.7	2,250.0	2,070.0	2,030.0	310.00	194.00	268.00	214.00
West Virginia								
Canned	101.5	84.1	47.2	94.7	108.00	103.00	128.00	134.00
Juice/cider	56.7	56.2	35.0	41.2	90.00	65.00	106.00	102.00
Frozen	10.7	13.5	17.5	16.4	127.00	120.00	150.00	148.00
Dried	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Other	2.7	2.6	2.9	.5	98.00	65.00	138.00	106.00
Total Proc.	171.6	156.4	102.6	152.8	103.00	90.00	125.00	127.00
Fresh	88.4	88.6	97.4	77.2	278.00	274.00	338.00	294.00
United States								
Canned	1,336.7	1,202.4	1,002.4	1,248.5	125.00	97.40	121.00	132.00
Juice/cider	1,954.8	2,138.9	1,799.9	1,809.1	103.00	73.70	87.90	103.00
Frozen	136.6	167.5	172.7	190.8	133.00	112.00	160.00	143.00
Dried	255.7	194.7	190.0	209.9	135.00	78.70	77.10	132.00
Other	129.9	164.8	87.2	116.3	110.00	91.00	109.00	122.00
Total Proc.	3,813.6	3,868.3	3,252.2	3,574.6	114.00	84.00	102.00	118.00
Fresh	4,304.6	4,942.1	1,453.7	4,526.6	308.00	242.00	308.00	264.00

SWEET CHERRIES—UTILIZED* PRODUCTION, PRICE, VALUE

	1975	1976	1977	1978	1979	1980	1981	1982	1983
CALIFORNIA									
Fresh........tons........	20,800	32,000	20,600	11,000	18,000	30,400	24,000	8,800	11,300
Canned........do........	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	.....	.....	.....
Brined........do........	9,300	14,000	5,900	n.a.	15,500	13,600	n.a.	n.a.	n.a.
Total Used......do......	30,500	46,700	27,000	14,000	34,300	44,000	32,750	11,400	15,300
Price Per Ton-Fresh.......	$635	$530	$638	$1,070	$890	$720	$801	$1,536	$840
Price Per Ton-Proc........	$374	$296	$396	$797	$714	$424	$492	$707	$551
Price Per Ton-All.........	$552	$456	$581	$1,012	$806	$629	$718	$1,347	$764
Value..............$1,000	16,836	21,295	15,687	14,168	27,646	27,676	23,529	15,355	11,696
COLORADO									
Total Used.....tons.....	400	500	550	150	.....	.....	.....	.....	.....
Value..............$1,000	246	298	374	157	.....	.....	.....	.....	.....
IDAHO									
Total Used.....tons.....	1,550	2,450	2,050	2,500	3,000	3,100	1,900	2,060	1,650
Value..............$1,000	890	1,076	943	1,728	1,647	2,099	1,363	1,311	961
MICHIGAN									
Fresh........tons........	2,000	500	1,500	2,000	1,500	2,000	1,500	2,000	2,000
Canned........do........	2,300	2,100	2,300	5,500	5,100	8,500	5,500	3,300	3,700
Brined........do........	26,100	9,000	19,600	22,800	19,300	17,100	12,000	15,900	9,000
Total Used......do......	31,000	13,500	25,000	37,500	27,000	29,000	23,000	25,500	18,000
Price Per Ton-Fresh.......	$415	$738	$480	$490	$590	$1,200	$582	$850	$792
Price Per Ton-Proc........	$224	$358	$404	$456	$396	$291	$361	$360	$418
Price Per Ton-All.........	$236	$372	$409	$458	$407	$354	$375	$398	$460
Value..............$1,000	7,316	5,022	10,225	17,175	10,989	10,266	8,635	10,160	8,272
MONTANA									
Total Used.....tons.....	2,400	2,650	2,550	1,850	2,950	700	1,240	3,100	1,365
Value..............$1,000	1,438	1,100	1,321	1,297	2,012	435	882	1,934	624
NEW YORK									
Total Used.....tons.....	6,800	2,120	1,800	3,500	4,050	4,600	1,050	3,200	3,000
Value..............$1,000	1,870	835	994	1,901	1,810	2,070	653	1,946	1,706
OREGON									
Fresh........tons........	11,000	9,500	7,000	8,900	8,600	7,400	6,600	11,500	9,500
Canned........do........	3,550	4,700	4,800	4,400	5,800	3,700	3,100	4,900	4,700
Brined........do........	19,200	22,400	22,400	18,850	21,300	18,850	24,800	17,800	21,800
Total Used......do......	36,500	39,000	37,500	35,000	38,000	31,800	37,000	35,000	42,000
Price Per Ton-Fresh.......	$346	$383	$518	$700	$570	$610	$732	$890	$604
Price Per Ton-Proc........	$347	$340	$407	$607	$537	$466	$503	$483	$451
Price Per Ton-All.........	$347	$350	$428	$630	$544	$500	$544	$617	$486
Value..............$1,000	12,666	13,650	16,050	22,050	20,672	15,900	20,122	21,586	20,396
PENNSYLVANIA									
Total Used.....tons.....	860	460	270	580	730	700	300	580	750
Value..............$1,000	628	364	226	550	819	763	344	796	1,095
UTAH									
Total Used.....tons.....	2,600	5,400	4,700	2,400	4,200	4,100	4,380	2,070	4,300
Value..............$1,000	1,079	1,804	2,167	1,836	2,516	2,464	2,785	1,762	2,808
WASHINGTON									
Fresh........tons........	35,500	43,300	34,800	39,400	47,500	37,200	31,800	36,100	63,500
Canned........do........	2,700	3,600	3,000	2,400	3,600	2,200	1,700	2,500	2,700
Brined........do........	3,700	2,700	3,400	12,900	12,800	5,300	7,200	7,100	7,100
Total Used......do......	43,100	54,300	47,000	59,300	67,600	48,300	44,400	50,800	80,900
Price Per Ton-Fresh.......	$589	$359	$595	$879	$670	$715	$1,134	$885	$774
Price Per Ton -Proc.......	$308	$297	$386	$620	$463	$319	$430	$404	$377
Price Per Ton-All.........	$474	$346	$541	$792	$608	$624	$934	$746	$689
Value..............$1,000	20,429	18,788	25,427	46,966	41,101	30,139	41,479	37,888	55,709
UNITED STATES									
Fresh........tons........	77,300	94,510	72,320	66,670	83,830	84,460	70,238	66,710	93,490
Canned........do........	9,240	11,220	10,540	12,800	14,850	14,400	10,300	10,700	11,100
Brined........do........	63,890	51,390	54,110	62,050	75,100	59,500	55,017	45,800	45,323
Other Proc................	5,280	9,960	11,450	15,260	8,050	7,940	10,465	10,500	17,352
Total Used......do......	155,710	167,080	148,420	156,780	181,830	166,300	146,020	133,710	167,265
Price Per Ton-Fresh.......	$524	$431	$594	$867	$709	$724	$939	$961	$766
Price Per Ton-Proc........	$296	$323	$399	$555	$509	$375	$447	$427	$429
Price Per Ton-All.........	$407	$384	$495	$688	$601	$552	$683	$694	$617
Value..............$1,000	63,398	64,232	73,414	107,828	109,212	91,812	99,792	92,738	103,267

TART CHERRIES—UTILIZED PRODUCTION*, PRICE, VALUE

	1975	1976	1977	1978	1979	1980	1981	1982	1983
TART VARIETIES									
New York									
Total Used ....tons..	12,500	7,150	5,900	9,450	13,650	15,200	3,500	10,500	11,500
Price per Ton .....Dollars	210	492	590	858	924	382	902	296	920
Value $1,000	2,625	3,518	3,481	8,108	12,613	5,806	3,156	3,112	10,585
Pennsylvania									
Total Used ....tons..	5,750	3,800	1,600	3,100	3,150	2,800	4,000	2,750	4,250
Price per Ton .....Dollars	228	516	596	834	992	550	912	414	946
Value $1,000	1,311	1,961	954	2,585	3,125	1,540	3,650	1,137	4,020
Ohio									
Total Used ....tons..	250	150	100	100	n.a.	n.a.	n.a.	n.a.	n.a.
Price per Ton .....Dollars	440	666	1,000	1,200	n.a.	n.a.	n.a.	n.a.	n.a.
Value $1,000	110	100	100	120	n.a.	n.a.	n.a.	n.a.	n.a.
Michigan									
Fresh ....tons..	2,000	1,000	2,000	1,500	1,000	2,000	1,000	2,500	1,000
Canned ....do..	30,000	12,000	23,000	17,000	14,500	26,000	13,500	27,500	9,000
Frozen ....do..	56,000	31,000	55,000	45,000	34,000	45,500	29,000	66,000	32,500
Total Used ....do..	91,000	45,000	81,000	64,000	50,000	74,500	44,000	97,500	43,500
Price per Ton .....Dollars	200	508	590	888	970	408	928	274	982
Value $1,000	18,200	22,860	47,790	56,832	48,500	30,396	40,788	26,805	42,721
Wisconsin									
Total Used ....tons..	4,850	2,950	6,100	5,750	7,300	5,750	4,800	4,500	2,250
Price per Ton .....Dollars	214	518	578	912	902	372	896	260	992
Value $1,000	1,038	1,528	3,526	5,244	6,585	2,139	4,305	1,171	2,232
Total Great Lakes									
Total Used ..... tons	114,350	59,050	96,300	82,400	74,100	98,250	56,300	115,250	61,500
Value $1,000	23,284	29,967	56,804	72,889	70,823	39,881	51,899	32,225	59,558
Colorado									
Total Used ....tons..	1,600	1,650	1,150	650	850	900	800	200	800
Price per Ton .....Dollars	234	396	486	832	884	434	606	376	838
Value $1,000	374	653	559	541	751	391	484	75	671
Utah									
Total Used ....tons..	5,000	8,500	5,600	5,650	8,500	6,450	6,800	4,500	11,500
Price per Ton .....Dollars	190	474	572	780	872	378	744	342	804
Value $1,000	760	4,029	3,203	4,407	7,412	2,438	5,065	1,536	9,254
Oregon									
Total Used ....tons..	3,100	4,100	4,000	1,900	1,750	2,500	2,500	2,500	3,000
Price per Ton .....Dollars	216	526	584	788	868	406	644	324	674
Value $1,000	670	2,157	2,336	1,497	1,519	1,015	1,612	809	2,023
Total Western States									
Total Used ..... tons	8,700	14,250	10,750	8,200	11,100	9,850	10,100	7,200	15,300
Value $1,000	1,804	6,839	6,098	6,445	9,682	3,844	7,161	2,420	11,948
United States									
Fresh ....tons..	3,600	3,000	3,050	2,500	2,150	3,150	2,000	3,700	2,650
Canned ....do..	40,800	18,600	30,100	23,750	22,950	35,550	19,600	35,650	18,700
Frozen ....do..	74,600	49,100	69,650	63,150	58,150	67,700	43,750	80,400	52,600
Other Proc. ....do..	4,050	2,600	2,650	1,200	1,950	1,700	1,050	2,700	2,850
Total Used ....do..	123,050	73,300	105,450	90,600	85,200	108,100	66,400	122,450	76,800
Price per Ton .....Dollars	204	502	588	876	944	404	890	282	932
Value $1,000	25,088	36,806	61,949	79,334	80,505	43,725	59,060	34,645	71,506

*Utilized Production is the amount sold plus quantities used at home or held in storage. Reference is to first utilization only. Some quantities of tart varieties used for juice, jam, jellies, brining, are included in state totals and United States "Other Proc." but excluded from state and area processing breakdown.

ORANGES—UTILIZED PRODUCTION, USE, PRICE, VALUE*

	1974	1975	1976	1977	1978	1979	1980	1981	1982
FLORIDA									
Temple									
Fresh	1,908	2,329	1,184	2,049	2,135	2,784	1,107	838	1,563
Processed	3,392	3,171	2,616	2,851	2,565	3,216	2,493	2,362	3,137
Total Prod.	5,300	5,500	3,800	4,900	4,700	6,000	3,600	3,200	4,700
Price per Box	2.75	2.89	3.39	5.35	6.49	4.57	6.00	5.89	6.55
Value of Prod.	14,575	15,895	12,882	26,215	30,503	27,420	21,595	18,862	30,781
Other Early & Midseason									
Fresh	7,402	6,485	6,131	5,750	6,325	6,476	5,788	4,929	6,067
Processed	89,198	92,315	108,869	82,550	84,675	111,424	99,812	69,071	64,133
Total Prod.	96,600	98,800	115,000	88,300	91,000	117,900	105,600	74,000	70,200
Price per Box	2.46	2.69	2.99	5.15	5.84	5.04	5.27	5.97	6.70
Value of Prod.	237,636	265,772	343,850	454,745	531,440	594,216	556,674	442,116	470,384
Valencia									
Fresh	5,991	5,245	2,747	4,216	5,376	4,514	2,488	2,691	4,228
Processed	70,709	77,155	69,053	75,284	67,624	84,286	64,312	49,109	65,072
Total Prod.	76,700	82,400	71,800	79,500	73,000	88,800	66,800	51,800	69,300
Price per Box	2.82	2.88	3.73	5.65	6.35	5.34	6.23	5.99	7.20
Value of Prod.	216,294	237,312	267,814	449,175	463,550	474,192	416,397	310,431	499,237
Total Florida									
Fresh	15,301	14,059	10,062	12,015	13,836	13,774	9,383	8,458	11,858
Processed	163,299	172,641	180,538	160,685	154,864	198,926	166,617	120,542	132,342
Total Prod.	178,600	186,700	190,600	172,700	168,700	212,700	176,000	129,000	144,200
Price per Box	2.62	2.78	3.28	5.39	6.36	5.15	5.65	5.98	6.94
Value of Prod.	468,505	518,979	624,546	930,135	1,025,493	1,095,828	994,666	771,409	1,000,402
CALIFORNIA									
Navel & Misc.									
Fresh	20,300	20,600	19,270	15,200	14,300	21,700	24,430	21,200	27,300
Processed	7,600	7,700	6,330	4,800	6,500	10,900	14,320	5,300	12,900
Total Prod.	27,900	28,300	25,600	20,000	20,800	32,600	38,750	26,500	40,200
Price per Box	3.53	3.12	3.66	5.99	7.05	3.93	4.01	7.22	4.62
Value of Prod.	98,487	88,296	93,696	119,800	146,640	128,118	155,341	191,436	185,832
Valencia									
Fresh	15,300	13,600	13,300	13,600	10,500	17,780	13,200	12,200	23,800
Processed	11,800	10,900	6,400	9,000	6,000	9,020	13,300	3,200	9,200
Total Prod.	27,100	24,500	19,700	22,600	16,500	26,800	26,500	15,400	33,000
Price per Box	2.93	2.80	3.94	5.76	6.67	3.75	5.15	11.51	7.78
Value of Prod.	79,403	68,600	77,618	130,176	110,055	100,500	136,456	177,304	256,724
Total California									
Fresh	35,600	34,200	32,570	28,800	24,800	39,480	37,630	33,400	51,100
Processed	19,400	18,600	12,730	13,800	12,500	19,920	27,620	8,500	22,100
Total Prod.	55,000	52,800	45,300	42,600	37,300	59,400	65,250	41,900	73,200
Price per Box	3.23	2.97	3.78	5.87	6.88	3.85	4.47	8.80	6.05
Value of Prod.	177,890	156,896	171,314	249,976	256,695	228,618	291,797	368,740	442,556
ARIZ. & TEX.									
Fresh	5,360	4,310	5,720	5,805	-3,740	4,280	4,530	5,440	5,885
Processed	4,150	4,470	5,130	3,915	5,560	3,250	2,400	3,550	3,595
Total Prod.	9,510	8,780	10,850	9,720	9,300	7,530	6,930	8,990	9,480
Price per Box	2.31	2.13	2.60	4.60	4.77	4.07	4.39	5.17	4.72
Value of Prod.	21,939	18,737	28,218	44,761	44,359	30,682	30,413	46,508	44,781
UNITED STATES									
Fresh	56,261	52,569	48,352	46,620	42,376	57,534	51,543	47,298	68,843
Processed	186,849	195,711	198,398	178,400	172,924	222,096	196,637	132,592	158,037
Total Prod.	243,110	248,280	246,750	225,020	215,300	279,630	248,180	179,890	226,880
Price per Box	2.75	2.80	3.34	5.44	6.16	4.85	5.30	6.60	6.56
Value of Prod.	668,334	694,612	824,078	1,224,872	1,326,547	1,355,128	1,316,876	1,186,657	1,487,739

*Season beginning year shown. Quantities are in units of 1,000 boxes. Price per Box in dollars, and Value of Production in thousands of dollars. Net weight per box-Florida-90 pounds; California and Arizona-75 pounds; Texas-85 pounds.

PROCESSED FLORIDA ORANGES*

	1974	1975	1976	1977	1978	1979	1980	1981	1982
Frozen Conc.	135,512	144,526	148,731	132,222	130,183	174,883	145,309	105,146	114,625
Chilled Juice	22,761	24,006	27,250	25,345	22,793	24,428	19,640	16,293	18,084
Chilled Sec. & Salads	526	621	378	382	315	309	227	225	170
Other Processed	7,580	7,580	8,812	8,077	6,525	6,957	6,353	4,477	2,667
TOTAL	166,379	176,733	185,171	166,026	159,816	206,577	171,529	126,141	135,546

*Season beginning year shown. Quantities are in units of 1,000 boxes, net weight 90 lbs. per box. Includes tangelos, temples & honey tangerines thru 1974. Beginning 1975 also includes tangerines and K-Early citrus.

GRAPEFRUIT—UTILIZED PRODUCTION, USE, PRICE, VALUE*

	1974	1975	1976	1977	1978	1979	1980	1981	1982
FLORIDA									
Pink Seedless									
Fresh	7,642	8,945	6,524	8,927	9,540	10,495	8,903	8,390	9,268
Processed	3,858	4,055	5,976	5,373	3,760	5,305	5,697	6,410	3,532
Total Prod	11,500	13,000	12,500	14,300	13,300	15,800	14,600	14,800	12,800
Price per Box, Fresh	3.48	3.16	2.99	3.14	4.29	5.76	6.98	6.24	6.35
Price per box, Proc.						3.56	3.20	1.41	1.20
White Seedless									
Fresh	11,008	11,315	9,805	9,026	10,179	8,900	8,195	8,329	9,045
Processed	14,892	16,985	20,095	19,674	19,221	22,200	20,205	18,971	12,755
Total Prod	25,900	28,300	29,900	28,700	29,400	31,100	28,400	27,300	21,800
Price per box, Fresh	2.44	2.19	2.43	2.52	3.35	4.75	5.97	5.31	4.80
Price per box, Proc.						4.13	4.29	2.39	1.58
Other Varieties									
Fresh	147	109	64	85	71	106	69	81	(a)
Processed	7,053	7,691	9,036	8,315	7,229	7,794	7,231	5,919	4,800
Total Prod	7,200	7,800	9,100	8,400	7,300	7,900	7,300	6,000	4,800
Price per box, Fresh	1.72	1.70	2.10	2.45	2.94	(a)	(a)	(a)	(a)
Price per box, Proc						4.19	4.17	2.43	1.63
Total Florida									
Fresh	18,797	20,369	16,393	18,038	19,790	19,501	17,167	16,800	18,313
Processed	25,803	28,731	35,107	33,362	30,210	35,299	33,133	31,300	21,087
Total Prod	44,600	49,100	51,500	51,400	50,000	54,800	50,300	48,100	39,400
Price per Box, Fresh	2.59	2.37	2.51	2.68	3.54	5.30	6.50	5.78	5.58
Price per Box, Proc.						4.06	4.07	2.20	1.53
CALIFORNIA									
Desert Valleys									
Fresh	1,680	1,810	2,250	1,880	1,910	1,740	2,310	1,925	2,420
Processed	2,050	2,290	2,250	2,320	1,350	2,460	1,950	1,475	1,680
Total Prod	3,730	4,100	4,500	4,200	3,260	4,200	4,260	3,400	4,100
Price per Box, Fresh	2.08	1.70	1.83	1.73	3.64	4.66	7.19	5.28	4.80
Price per Box, Proc.						.68	.97	.08	.12
Other Varieties									
Fresh	1,880	1,820	2,000	2,560	1,780	1,720	2,180	1,680	2,000
Processed	1,330	1,280	1,200	1,600	1,090	1,580	1,620	920	1,200
Total Prod	3,210	3,100	3,200	4,160	2,870	3,300	3,800	2,600	3,200
Price per Box, Fresh	2.64	2.66	2.94	5.24	6.48	6.66	8.03	5.28	6.24
Price per Box, Proc.						.62	.57	.02	.04
Total California									
Fresh	3,560	3,630	4,250	4,440	3,690	3,460	4,490	3,605	4,420
Processed	3,380	3,570	3,450	3,920	2,440	4,040	3,570	2,395	2,880
Total Prod	6,940	7,200	7,700	8,360	6,130	7,500	8,060	6,000	7,300
Price per Box, Fresh	2.34	2.11	2.29	3.48	4.97	5.65	7.60	5.28	5.45
Price per Box, Proc.						.66	.79	.04	.09
TEXAS									
Fresh	4,650	7,270	6,480	6,600	4,000	4,200	4,650	7,230	7,800
Processed	2,650	3,430	5,920	5,300	5,000	3,700	2,050	6,670	3,400
Total Prod	7,300	10,700	12,400	11,900	9,000	7,900	6,700	13,900	11,200
Price per Box, Fresh	2.30	1.74	1.88	1.58	1.96	3.93	4.50	3.61	2.66
Price per Box, Proc.						2.63	3.09	1.81	1.00
ARIZONA									
Fresh	1,380	1,275	1,435	1,200	1,050	1,320	1,600	1,110	1,620
Processed	1,390	1,805	1,565	1,800	1,200	1,680	1,200	1,290	1,080
Total Prod	2,770	3,080	3,000	3,000	2,250	3,000	2,800	2,400	2,700
Price per Box, Fresh	2.10	1.51	1.79	1.34	2.89	5.03	6.11	5.01	4.19
Price per Box, Proc.						.68	1.00	.08	.12
UNITED STATES									
Fresh	28,387	32,544	28,558	30,278	28,530	28,481	27,907	28,664	32,153
Processed	33,223	37,536	46,042	44,382	38,850	44,719	39,953	41,736	28,447
Total Prod	61,610	70,080	74,600	74,660	67,380	73,200	67,860	70,400	60,600
Price per Box, Fresh	2.51	2.21	2.35	2.54	3.44	5.13	6.32	5.14	4.79
Price per Box, Proc.						3.51	3.64	1.95	1.27

Season beginning year shown. Quantities are in units of 1,000 boxes. Price per Box in dollars. Net weight per box — Florida, 85 pounds; Texas, 80 pounds; Calif. Desert Valleys and Arizona, 64 pounds; Other Calif., 67 pounds. (a) Insignificant and included with processed.

PROCESSED FLORIDA GRAPEFRUIT*

	1974	1975	1976	1977	1978	1979	1980	1981	1982
Frozen Conc	7,779	8,987	13,020	13,999	13,276	18,506	19,490	20,052	13,977
Chilled Juice	3,332	3,919	4,331	4,363	3,162	3,592	2,844	1,697	1,314
Chilled Sections & Salads	967	1,054	934	917	771	801	645	628	417
Other Processed	13,725	14,771	16,822	14,083	13,001	12,400	10,154	8,923	5,379
TOTAL	25,803	28,731	35,107	33,362	30,210	35,299	33,133	31,300	21,087

*Season beginning year shown. Quantities are in units of 1,000 boxes, net weight 85 lbs. per box.

APRICOTS—UTILIZED PRODUCTION*, USE, PRICE, VALUE

	1975	1976	1977	1978	1979	1980	1981	1982	1983
WASHINGTON									
Fresh ....tons..	2,600	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Processed ....do..	500	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Total Used ....do..	3,100	2,600	2,600	2,700	2,500	2,500	1,300	2,650	2,700
Price per Ton .....Dollars	307	328	342	279	346	386	593	531	619
Value $1,000	952	853	889	753	865	965	771	1,407	1,671
CALIFORNIA									
Fresh ....tons..	7,000	8,600	8,000	6,500	7,000	9,500	9,500	7,000	6,300
Canned ....do..	122,300	76,000	79,000	78,000	84,000	80,500	43,500	60,000	43,800
Dried ....do..	28,500	29,300	39,500	30,000	39,000	27,100	25,000	33,000	29,100
Frozen ....do..	14,200	10,100	10,500	8,500	10,000	7,900	8,500	11,000	11,800
Total Used ....do..	172,000	124,000	137,000	123,000	140,000	125,000	86,500	111,000	91,000
Price per Ton .....Dollars	212	198	207	247	269	288	308	318	306
Value $1,000	36,464	24,552	28,359	30,381	37,660	36,000	26,615	35,269	27,846
UNITED STATES[1]									
Fresh ....Tons..	10,100	12,660	11,960	9,200	10,890	13,130	12,230	9,600	10,210
Canned ....do..	122,800	76.0	79.0	78.0	n.a.	n.a.	n.a.	n.a.	n.a.
Dried ....do..	28,500	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Frozen ....do..	14,200	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Used ....do..	175,600	128,350	141,300	126,200	144,200	129,000	89,380	113,810	95,100
Price per Ton .....Dollars	214	200	210	249	273	291	311	323	314
Value $1,000	37,609	25,689	29,671	31,364	39,341	37,505	27,765	36,743	29,881

*Utilized production is the amount sold plus quantities used at home or held in storage. Reference is to first utilization only. In Washington, some quantities used for juice, jam, dried or frozen are included with canned, and some quantities canned or otherwise processed are included with fresh to avoid disclosure of individual operations. [1]Includes Utah. (a) Not published to avoid disclosure of individual operations. n.a.-Not available.

CRANBERRIES—UTILIZED PRODUCTION*, USE, PRICE†, VALUE

	1975	1976	1977	1978	1979	1980	1981	1982	[1]1983
MASSACHUSETTS									
Fresh ....1,000 bbl..	162.0	220.0	207.0	247.0	130.0	110.0	205.0	169.0	n.a.
Processed ....do..	508.0	630.0	576.0	833.0	880.0	1,016.0	875.0	998.0	n.a.
Shrinkage ....do..	115.0	85.0	92.0	100.0	70.0	59.0	92.0	120.0	n.a.
Production Used .....do..	785.0	935.0	875.0	1,180.0	1,080.0	1,185.0	1,172.0	1,287.0	1,400
Price per bbl ......Dollars	13.00	13.40	17.70	21.60	26.60	33.50	41.50	46.30	n.a.
Value $1,000	10,205	12,529	15,488	25,488	28,728	39,698	48,639	59,588	64,820
Harvested Acres	11,200	11,200	11,200	11,200	11,200	11,200	11,200	11,200	11,200
Yield per Acre ......bbl..	70.1	83.5	78.1	105.4	96.4	105.8	104.6	114.9	125.0
NEW JERSEY									
Fresh ....1,000 bbl..	.....	.....	.....	.....	.....	.....	.....	.....	n.a.
Processed ....do..	216.0	269.7	153.4	218.5	248.0	240.1	223.5	289.0	n.a.
Shrinkage ....do..	5.0	6.3	3.6	4.5	5.0	4.9	4.5	6.0	n.a.
Production Used .....do..	221.0	276.0	157.0	223.0	253.0	245.0	228.0	295.0	233.0
Price per bbl ......Dollars	13.30	13.50	18.80	21.70	26.90	33.20	41.60	46.80	n.a.
Value $1,000	2,939	3,726	2,952	4,839	6,806	8,134	9,485	13,806	10,904
Harvested Acres	3,100	3,100	3,000	3,000	3,000	2,900	2,900	3,000	3,100
Yield per Acre ......bbl..	71.3	89.0	52.3	74.3	84.3	84.5	78.6	98.3	75.2
WISCONSIN									
Fresh ....1,000 bbl..	126.0	147.0	157.0	142.0	153.0	216.0	265.0	290.0	n.a.
Processed ....do..	531.0	710.0	554.0	652.0	720.0	821.0	665.0	880.0	n.a.
Shrinkage ....do..	180.0	147.0	143.0	28.0	28.0	43.0	38.0	30.0	n.a.
Production Used .....do..	837.0	1,004.0	854.0	822.0	901.0	1,080.0	968.0	1,200	1,132
Price per bbl ......Dollars	13.00	13.50	18.30	21.30	26.70	32.80	41.30	47.10	n.a.
Value $1,000	10,881	13,554	15,628	17,509	24,057	35,424	39,988	56,549	53,317
Harvested Acres	7,000	6,800	6,400	7,000	7,100	7,200	7,100	7,100	7,300
Yield per Acre ......bbl..	119.6	147.6	133.4	117.4	126.9	150.0	136.3	169.0	155.1
WASHINGTON									
Fresh ....1,000 bbl..	22.6	39.8	41.5	15.0	18.5	.....	9.5	10.6	n.a.
Processed ....do..	92.7	57.0	91.1	119.7	125.4	100.8	117.9	73.6	n.a.
Shrinkage ....do..	19.7	6.2	3.4	4.3	3.1	3.2	1.6	4.8	n.a.
Production Used .....do..	135.0	103.0	136.0	139.0	147.0	104.0	129.0	89.0	126.0
Price per bbl ......Dollars	13.30	13.60	18.90	21.70	26.70	33.10	41.70	47.10	n.a.
Value $1,000	1,796	1,401	2,570	3,016	3,925	3,442	5,379	4,192	5,935
Harvested Acres	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100
Yield per Acre ......bbl..	122.7	93.6	123.6	126.4	133.6	94.5	117.3	80.9	114.5

*Does not include quantities set aside under marketing order or other quantities not utilized. Marketing order set asides exported however are included. † Equivalent returns at first delivery point. [1]Season average prices not available. 1982 prices used to compute 1983 value.

CRANBERRIES—UTILIZED PRODUCTION*, USE—Continued

	1975	1976	1977	1978	1979	1980	1981	1982	[1]1983
OREGON									
Fresh ....1,000 bbl..	.3	.2	.....	.....	.5	.1	.1	.1	n.a.
Processed ....do..	96.5	88.8	79.5	94.5	93.6	81.7	95.7	64.8	n.a.
Shrinkage ....do..	.3	.3	.7	.....	.4	1.7	.2	.1	n.a.
Production Used .....do..	97.1	89.3	80.2	94.5	94.5	83.5	96.0	65.0	75.0
Price per bbl ......Dollars	13.30	13.60	18.90	21.70	26.70	33.10	41.70	47.10	n.a.
Value $1,000	1,291	1,214	1,516	2,051	2,523	2,764	4,003	3,062	3,533
Harvested Acres	900	880	840	860	800	790	850	810	850
Yield per Acre ......bbl..	107.9	101.5	95.5	115.2	118.1	105.7	112.9	80.2	88.2
UNITED STATES									
Fresh ....1,000 bbl..	310.9	407.0	405.5	404.0	302.0	326.1	479.6	469.7	n.a.
Processed ....do..	1,444.2	1,755.5	1,454.0	1,917.7	2,067.0	2,259.6	1,977.1	2,305.4	n.a.
Shrinkage ....do..	320.0	244.8	242.7	136.8	106.5	111.8	136.3	160.9	n.a.
Production Used .....do..	2,075.1	2,407.3	2,102.2	2,458.5	2,475.5	2,697.5	2,593.0	2,936.0	2,966.0
Price per bbl ......Dollars	13.10	13.50	18.10	21.50	26.70	33.20	41.50	46.70	n.a.
Value $1,000	27,112	32,424	38,154	52,903	66,039	89,462	107,494	137,197	138,509
Harvested Acres	23,300	23,080	22,540	23,160	23,200	23,190	23,150	23,210	23,550
Yield per Acre ......bbl..	89.1	104.3	93.3	106.3	106.7	116.3	112.0	126.5	125.9

See notes on preceding page.

CALIFORNIA OLIVES — UTILIZED PRODUCTION, PRICE, VALUE

	1975	1976	1977	1978	1979	1980	1981	1982	1983
Fresh ....Tons..	900	600	600	800	500	300	300	500	500
Crushed/Oil ....do..	3,800	3,700	2,300	7,300	1,600	3,500	2,000	2,500	1,000
Canned ....do..	53,300	65,500	32,300	99,100	52,300	76,800	37,900	98,000	47,800
Other[1] ....do..	9,000	10,200	7,800	18,800	7,600	28,400	4,700	45,500	6,700
Total Used ....do..	67,000	80,000	43,000	126,000	62,000	109,000	44,900	146,500	56,000
Price per Ton ....$..	336	330	403	303	408	368	695	517	463
Value $1,000	22,512	26,400	17,329	38,178	25,296	40,137	31,222	75,795	25,954

[1] California Spanish Green, Sicilian Styles, chopped, minced, brined and other cures.

PEACHES — UTILIZED PRODUCTION, PRICE, VALUE

	1975	1976	1977	1978	1979	1980	1981	1982	1983
California — Clingstone									
Fresh ....Mil. Lbs.	3.0	4.0	4.0	4.6	2.4	2.2	3.0	2.0	.....
Canned ....do..	1,263.4	1,182.0	1,379.0	1,094.0	1,299.2	1,376.1	1,086.3	920.0	614.5
Dried ....do..	.....	.....	.....	.....	.....	.....	.....	.....	.....
Frozen ....do..	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other ....do..	9.6	8.0	10.0	11.4	8.4	n.a.	n.a.	n.a.	n.a.
Total Used ....do..	1,276.0	1,194.0	1,393.0	1,110.0	1,310.0	1,382.0	1,106.0	943.0	619.0
Price per lb ....cents	7.50	6.90	7.00	8.10	8.90	9.40	10.40	9.20	9.00
Value $1,000	95,700	82,386	97,510	89,910	116,590	129,908	115,072	86,820	55,710
California — Freestone									
Fresh ....Mil. Lbs.	205.0	262.0	254.0	224.0	274.0	290.0	286.0	266.0	303.0
Canned ....do..	112.0	78.0	76.0	65.0	74.0	78.0	42.2	40.0	36.0
Dried ....do..	38.0	30.0	42.0	35.0	33.0	34.0	34.8	45.0	36.0
Frozen ....do..	46.0	94.0	96.0	n.a.	n.a.	n.a.	71.0	64.0	60.0
Other ....do..	.....	.....	.....	.....	.....	n.a.	n.a.	n.a.	n.a.
Total Used ....do..	401.0	464.0	468.0	394.0	468.0	476.0	434.0	415.0	435.0
Price per lb ....cents	7.00	7.40	8.90	11.50	10.90	9.90	12.30	10.60	11.30
Value $1,000	28,070	34,336	41,652	45,310	51,012	47,124	53,556	43,861	49,041
Total California									
Fresh ....Mil. Lbs.	208.0	266.0	258.0	228.6	276.4	292.2	289.0	268.0	303.0
Canned ....do..	1,375.4	1,260.0	1,455.0	1,159.0	1,373.2	1,454.1	1,128.5	960.0	650.5
Dried ....do..	38.0	30.0	42.0	35.0	33.0	34.0	34.8	45.0	36.0
Frozen ....do..	46.0	94.0	96.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Other ....do..	9.6	8.0	10.0	11.4	8.4	n.a.	n.a.	n.a.	n.a.
Total Used ....do..	1,677.0	1,658.0	1,861.0	1,504.0	1,778.0	1,858.0	1,540.0	1,358.0	1,054.0
Price per lb ....cents	7.38	7.04	7.48	8.99	9.43	9.96	10.94	9.62	9.94
Value $1,000	123,770	116,722	139,162	135,220	167,602	177,032	168,628	130,681	104,751
United States									
Fresh ....Mil. Lbs.	1,102.9	1,151.9	1,144.0	1,135.8	1,263.0	1,335.1	1,343.0	984.8	965.5
Canned ....do..	1,432.0	1,326.3	1,504.7	1,230.8	1,427.6	1,498.3	1,173.7	983.9	675.4
Dried ....do..	38.0	30.0	42.0	35.0	33.0	34.0	34.8	45.0	36.0
Frozen ....do..	52.7	109.8	109.8	69.8	93.5	77.1	78.3	70.5	64.3
Other ....do..	23.3	24.4	25.2	44.3	29.6	20.6	22.0	25.6	11.0
Total used ....do..	2,648.9	2,642.4	2,825.7	2,515.7	2,846.7	2,965.1	2,651.8	2,109.8	1,752.2
Price per lb. ....cents	10.40	9.61	9.83	12.00	11.60	12.40	13.30	14.40	14.80
Value $1,000	275,598	253,922	277,789	301,143	331,282	368,598	353,306	303,701	258,915

PEACHES—UTILIZED PRODUCTION, PRICE, VALUE

State	Utilized Production			Price Per Pound			Value of Utilized Prod.		
	1981	1982	1983	1981	1982	1983	1981	1982	1983
	Million pounds			Cents			1,000 Dollars		
Alabama	20.6	15.0	14.0	18.1	23.8	19.6	3,729	3,570	2,744
Arkansas	35.0	30.0	29.0	13.9	17.2	19.2	4,870	5,165	5,580
California Freestone	434.0	415.0	435.0	12.3	10.6	11.3	53,556	43,861	49,041
Colorado	20.0	11.0	9.5	16.5	26.3	23.1	3,300	2,893	2,195
Connecticut	.3	2.3	2.5	35.0	45.0	46.0	105	1,035	1,150
Delaware	1.6	1.7	2.0	18.8	21.5	20.1	301	366	402
Georgia	125.0	110.0	92.0	11.8	20.4	25.1	14,805	22,460	23,083
Idaho	11.7	6.5	10.0	16.7	23.2	17.9	1,954	1,508	1,790
Illinois	22.0	[1]	13.0	21.4	[1]	26.9	4,710	[1]	3,493
Indiana	7.0	[1]	5.5	26.1	[1]	31.4	1,827	[1]	1,727
Kansas	6.3	1.6	4.0	33.0	21.9	29.2	2,079	350	1,168
Kentucky	16.0	[1]	6.0	21.0	[1]	31.0	3,360	[1]	1,860
Louisiana	5.8	5.0	6.0	25.0	32.0	37.0	1,450	1,600	2,220
Maryland	16.8	17.0	22.0	16.3	22.6	19.5	2,737	3,845	4,300
Massachusetts	.2	1.5	1.7	35.0	45.0	46.0	70	675	782
Michigan	35.0	50.0	35.0	19.2	20.9	21.5	6,734	10,459	7,526
Mississippi	3.0	4.0	4.0	19.0	26.3	24.4	570	1,052	976
Missouri	15.0	4.5	12.0	15.0	29.0	22.0	2,250	1,305	2,640
New Jersey	90.0	80.0	90.0	23.9	27.6	25.4	21,488	22,084	22,851
New York	9.0	12.0	16.0	23.6	27.1	23.2	2,121	3,251	3,709
North Carolina	40.0	2.0	12.0	13.2	13.4	26.2	5,269	268	3,144
Ohio	2.0	.7	7.0	31.0	32.0	28.0	620	224	1,960
Oklahoma	13.0	9.0	9.0	16.7	26.4	23.4	2,171	2,376	2,106
Oregon	12.5	13.0	12.0	24.0	29.0	23.0	3,005	3,772	2,755
Pennsylvania	65.0	90.0	94.0	17.6	21.4	16.8	11,420	19,252	15,834
South Carolina	420.0	200.0	80.0	14.8	23.2	20.1	62,090	46,318	16,115
Tennessee	9.5	1.5	4.0	18.5	25.0	22.0	1,758	375	880
Texas	29.5	14.0	23.0	21.0	30.0	28.0	6,195	4,200	6,440
Utah	12.0	3.5	12.0	18.6	25.1	15.0	2,232	879	1,800
Virginia	30.0	27.0	24.0	13.3	18.2	18.0	3,990	4,909	4,330
Washington	20.0	25.0	28.0	23.6	22.3	21.4	4,719	5,573	5,979
West Virginia	18.0	14.0	19.0	15.3	23.3	13.8	2,749	3,256	2,625
Total Above	1,545.8	1,166.8	1,133.2	15.4	18.6	17.9	238,234	216,881	203,205
California Clingstone	1,106.0	943.0	619.0	10.4	9.2	9.0	115,072	86,820	55,710
U.S.	2,651.8	2,109.8	1,752.2	13.3	14.4	14.8	353,306	303,701	258,915

[1] No significant commercial production due to frost.

PEARS — UTILIZED PRODUCTION, USE, PRICE, VALUE

	1975	1976	1977	1978	1979	1980	1981	1982	1983
Eastern & Central[1] — All Varieties									
Fresh .... 1,000 Tons	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned .... do	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried .... do	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Used...... do	38.9	19.4	34.2	33.8	31.3	35.0	30.6	36.1	31.2
Price per Ton..... Dollars	158.00	219.00	217.00	223.00	211.00	241.00	242.00	234.00	275.00
Value............. 1,000 $	6,161	4,248	7,435	7,521	6,589	8,422	7,426	8,441	8,588
California — Bartlett									
Fresh .... 1,000 Tons	67.0	71.0	61.0	43.0	51.0	72.0	70.0	81.0	45.3
Canned† .... do	230.0	265.5	257.4	232.7	293.9	306.9	288.8	225.8	207.8
Dried .... do	n.a.	8.5	7.6	5.3	10.1	8.1	7.2	7.2	6.4
Total Used...... do	297.0	345.0	326.0	281.0	355.0	387.0	366.0	314.0	259.5
Price per Ton..... Dollars	143.00	124.00	134.00	219.00	197.00	185.00	176.00	148.00	140.00
Value ...... 1,000 $	42,471	42,780	43,684	61,539	69,935	71,595	64,514	46,410	36,301

See notes next page.

PEARS — UTILIZED PRODUCTION, USE, PRICE, VALUE — Continued

	1975	1976	1977	1978	1979	1980	1981	1982	1983
California — Other Varieties									
Fresh ....1,000 Tons ..	3.0	5.2	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned ....do ..	3.4	3.3	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried ....do ..	.....	.....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total used ....do ..	6.4	8.5	8.6	7.3	9.8	10.7	10.0	7.5	8.2
Price per Ton ....Dollars	182.00	148.00	165.00	278.00	208.00	159.00	177.00	234.00	267.00
Value ....1,000$	1,156	1,258	1,419	2,029	2,038	1,701	1,772	1,754	2,192
Total California									
Fresh ....1,000 Tons ..	70.0	76.2	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned ....do ..	233.4	268.8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried ....do ..	.....	8.5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total ....do ..	303.4	353.5	334.6	288.3	364.8	397.7	376.0	321.5	267.7
Price per Ton ....Dollars	143.79	124.58	134.80	221.00	197.00	184.00	176.00	150.00	144.00
Value ....1,000$	43,627	44,038	45,103	63,568	71,973	73,296	66,286	48,164	38,493
Washington — Bartlett									
Fresh ....1,000 Tons ..	50.7	38.6	35.0	39.9	36.3	32.9	42.4	44.6	56.4
Canned† ....do ..	82.8	101.4	103.0	92.1	116.7	110.1	102.1	96.7	84.4
Dried ....do ..	†	†	†	†	†	†	†	†	†
Total used ....do ..	133.5	140.0	138.0	132.0	153.0	143.0	144.5	141.3	140.8
Price per ton .....Dollars	121.00	117.00	124.00	205.00	180.00	185.00	147.00	154.00	191.00
Value ....1,000$	16,154	16,380	17,112	27,060	27,540	26,455	21,303	21,736	26,845
Washington — Other varieties									
Fresh ....1,000 Tons ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total used ....do ..	85.5	94.0	86.0	114.0	93.0	113.0	130.8	123.5	137.0
Price per Ton ....Dollars	161.00	122.00	208.00	228.00	269.00	249.0	260.00	245.00	255.00
Value ....1,000$	13,766	11,468	17,888	25,992	25,017	28,137	34,049	30,269	34,935
Total Washington									
Fresh .. ....1,000 Tons ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned† ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried ....do .	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total used ....do ..	219.0	234.0	224.0	246.0	246.0	256.0	275.3	264.8	277.8
Price per ton .....Dollars	137.00	119.00	156.00	216.00	214.00	213.00	201.00	196.00	222.00
Value ....1,000$	29,920	27,848	35,000	53,052	52,557	54,592	55,352	52,005	61,780
Oregon — Bartlett									
Fresh ....1,000 Tons ..	17.0	13.0	13.8	13.0	16.1	13.0	23.8	24.5	22.0
Canned† ....do ..	62.0	62.0	65.2	42.5	68.9	67.0	61.2	45.5	41.0
Dried ....do ..	†	†	†	†	†	†	†	†	†
Total Used ....do ..	79.0	75.0	79.0	55.5	85.0	80.0	85.0	70.0	63.0
Price per Ton ....Dollars	116.00	101.00	102.00	195.00	172.00	170.00	115.00	130.00	168.00
Value ....1,000$	9,164	7,575	8,058	10,823	14,620	13,600	9,805	9,104	10,598
Oregon — Other Varieties									
Fresh ....1,000 Tons ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned† ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Used ....do ..	91.0	125.0	100.0	96.0	120.0	120.0	117.0	105.0	125.0
Price per Ton ....Dollars	168.00	129.00	166.00	237.00	224.00	202.00	224.00	268.00	282.00
Value ....1,000$	15,288	16,125	16,600	22,752	26,880	24,240	26,228	28,142	35,265
Total Oregon									
Fresh ....1,000 Tons ..	98.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned† ....do ..	72.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Used ....do ..	170.0	200.0	179.0	151.5	205.0	200.0	202.0	175.0	188.0
Price per Ton ....Dollars	144.00	119.00	138.00	222.00	202.00	189.00	178.00	213.00	244.00
Value ....1,000$	24,452	23,700	24,658	33,575	41,500	37,840	36,033	37,246	45,863
Total Western[4]									
Fresh ....1,000 Tons ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Used ....do ..	704.1	801.2	750.3	689.5	822.9	861.3	863.4	766.6	742.3
Price per Ton ....Dollars	142.00	122.00	143.00	219.00	204.00	194.00	185.00	181.00	199.00
Value ....1,000$	99,838	97,820	107,311	151,203	167,706	167,470	159,895	138,738	148,062
United States									
Fresh ....1,000 Tons ..	328.0	340.7	303.2	297.1	300.1	345.0	378.0	368.1	383.2
Canned† ....do ..	415.0	479.9	481.3	426.2	554.1	551.3	516.0	434.6	390.3
Dried ....do ..	†	†	†	†	†	†	†	†	†
Total Used ....do ..	743.0	820.6	784.5	723.3	854.2	896.3	894.0	802.7	773.5
Price per Ton ....Dollars	143.00	124.00	146.00	219.00	204.00	196.00	187.00	183.00	203.00
Value ....1,000$	105,999	102,068	114,746	158,724	174,295	175,892	167,321	147,179	156,650

[1] Includes Conn., N.Y., Pa., and Mich. † Some Quantities otherwise processed may be included with canned to avoid disclosure of individual operations. [4] Includes Idaho, Colo., Utah, Wash., Ore., Calif.

THE ALMANAC

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

Section VIII

U. S. PACK STATISTICS

The canned fruit and vegetable packs published herein are taken from reports of the Nat'l Food Processors Assn. and represent packs of all known Canners of the products.

GLASS - Although the pack in glass containers has been reported separately wherever feasible, it has been combined, in most instances, with that of tin containers of the same approximate size. When tin and glass are combined, or when two or more container sizes are combined, the order of listing indicates the relative importance of each.

The Frozen Food pack statistics were compiled by the American Frozen Food Institute. Data represent only the commercial pack and do not include production in frozen food locker plants nor custom freezing for industrial users.

INDEX

BABY FOODS 565
CENSUS, INDUSTRY 580
EXPORTS 591
IMPORTS 593
FISH PACKS, CANNED 558
Clams 562
Crabmeat 562
Oysters 562
Salmon 560
Sardines, Maine 562
Shrimp 562
Tuna 561
Miscellaneous 562
FRUIT & JUICE PACKS, CANNED 547
Apples 547
Apple Juice 549
Applesauce 548
Apricots 550
Blackberries 551
Blueberries 551
Cherries 552
Cranberry Sauce 551
Fruit Cocktail 553
Fr. for Salad 553
Grapefruit 553
Grapefruit Juice 554
Blended Juice 554
Orange Juice 554
Peaches 555
Pears 556
Pineapple 557
Pineapple Juice 558
Plums 557
Summary 547
FRUIT & JUICE PACKS, FROZEN 576
Apples 576
Cherries, RSP 577
Peaches 577
Blackberries 577
Blueberries 578
Juices, Citrus 579
Juices, Non-Citrus ... 579
Red Raspberries 578
Strawberries 578
MEAT PACKS, CANNED 563
SPECIALTY PACKS 564
STOCKS and SHIPMENTS .... See Indiv. Pack
VEGETABLE PACKS, CANNED 527
Asparagus 527
Beans, Green 529
Beans, Lima 531
Beans, Wax 529
Beets 532
Carrots 532
Corn 533
Leafy Greens 546
Mixed Veg. 546
Okra 546
Okra & Tom. 546
Peas 535
Peas, Blackeye 538
Peas & Carrots 546
Pimientos 538
Potatoes, Sweet 546
Potatoes, White 539
Pumpkin 539
Sauerkraut 540
Spinach 541
Succotash 546
Summary 527
Tomatoes 542
Tomato Catsup 543
Tomato Juice 544
Tom. Chili Sauce 543
Tomato Paste 545
Tomato Puree 545
Turnip Greens 546
Misc. Veg. 546
VEGETABLE PACKS, FROZEN 566
Asparagus 567
Beans, Green 567
Beans, Wax 568
Beans, Lima 568
Broccoli 568
Brussels Sprouts 569
Carrots 569
Cauliflower 570
Corn 570
Okra 572
Onions 571
Peas, Black-eyed 572
Peas, Green 572
Potatoes 573
Pumpkin & Sq. 573
Spinach 574
Squash, Summer 574
Vegetable Mixes 575
Zucchini 574
WORLD PACKS 605

SUMMARY OF CANNED VEGETABLE PACKS

PLEASE NOTE: The vegetable packs in this section are rounded to the nearest thousand cases. Column totals therefore will not necessarily agree exactly with totals shown.

Thousands of Cases, basis 24 No. 303 Cans. Figures Rounded

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Asparagus	5,643	3,551	3,609	3,705	3,382	2,819	2,535	2,844	2,727	2,549
Beans, green	57,971	51,466	44,027	50,952	53,229	62,624	54,769	49,797	46,335	44,227
Beans, wax	4,348	3,924	3,394	3,541	3,892	3,657	3,384	3,012	2,496	2,279
Beans, Lima	2,523	3,729	2,812	2,657	3,356	3,061	2,833	2,602	2,275	2,338
Beets(a)	15,084	13,130	9,201	11,289	12,973	15,103	10,878	9,657	10,868	[1]8,692
Carrots(a)	6,914	4,717	5,221	6,586	6,250	7,267	4,365	5,251	5,932	[1]4,360
Carrots & Peas ..	2,488	2,493	1,894	1,658	1,765	2,096	1,624	1,360	D	D
Corn, sweet	46,430	57,458	54,694	56,300	57,907	60,022	50,574	57,949	60,522	51,595
Leafy greens	4,558	3,023	3,125	2,632	2,880	3,195	2,624	2,120	1,584	P
Okra	486	196	204	225	257	436	391	264	359	P
Okra & Tom.	430	231	163	261	187					
Peas, field	2,765	1,995	1,875	2,223	2,364	2,542	1,965	2,895	1,998	P
Peas, green	33,120	35,172	31,927	30,238	25,269	36,492	30,056	27,296	24,790	27,296
Pimientos	396	613	702	407	376	530	540	608	756	P
Potatoes, swt	12,767	7,668	7,960	7,194	9,436	9,174	5917	7,955	7,049	[1]5,315
Potatoes, wht (a)	8,113	6,809	6,201	7,126	6,693	6,517	5,857	7,103	5,714	P
Pump. & Sq.	4,214	5,804	5,500	2,962	3,353	3,997	3,744	3,975	4,404	D
Sauerkraut (a)(c).	12,209	9,859	9,409	9,419	9,509	9,016	8,173	8,686	8,417	P
Spinach (a)	10,834	8,328	6,304	7,108	6,214	8,121	6,314	5,458	D	D
Succotash (d)	430	441	168	209	142	771	828	777	D	D
Tomatoes	43,794	53,465	42,805	54,124	49,241	52,896	53,096	51,937	63,089	61,561
T. Juice	36,133	35,358	32,155	27,844	33,920	31,517	27,617	17,507	23,955	P
T. Chili Sc.	1,620	1,730	1,955	1,776	2,834	1,977	2,038	1,680	1,826	1,665
T. Puree	10,282	13,807	8,377	9,824	8,425	10,395	8,141	6,900	9,788	P
Total 303's	323,552	324,967	283,682	300,260	303,834	334,211	288,263	277,633	284,884	P
Total 2's	265,313	266,472	232,619	246,213	248,775	274,721	236,952	228,214	234,175	P
Total a/c	289,256	288,466	256,243	267,650	268,659	294,836	255,389	248,611	248,882	P

(D) Reports discontinued to avoid disclosure. (P) Not available at press time. (a) Pack beginning year shown. (c) 1975 and later years not comparable with earlier years. (d) Single & triple. [1]July 1 to April 1.

ASPARAGUS PACKS IN THE UNITED STATES*

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

Thousands of Cases, basis 24 No. 303 Cans.

1940	3,974	1946	5,583	1952	5,312	1958	7,540	1964	8,217	1970	5,913
1941	3,907	1947	4,677	1953	4,902	1959	7,086	1965	7,208	1971	5,542
1942	5,138	1948	4,417	1954	6,073	1960	7,971	1966	7,896	1972	5,860
1943	4,710	1949	5,390	1955	7,623	1961	8,357	1967	6,638	1973	5,794
1944	5,114	1950	5,531	1956	6,615	1962	9,053	1968	6,925	1974	5,643
1945	5,302	1951	5,850	1957	7,093	1963	9,263	1969	6,817	1975	3,551

*Green asparagus only beginning in 1971.

GREEN ASPARAGUS PACKS BY SIZE OF CONTAINER

(Thousands of Actual Cases—Figures Rounded—Season beginning March 1 of Year Shown)

Units per case & Sz. of Cont.	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
24/8Z	695	303	376	430	507	299	248	190	(c)	(c)
48/1 Pic	580	542	537	390	399	405	312	265	348	298
24/300-300 cyl. ...	4,112	2,256	2,549	2,472	2,179	1,781	1,775	1,935	1,673	1,510
24/15z	10	151	.....	126	131	114	145	(a)	(a)	(a)
6/5 Squat	207	92	119	143	84	113	76	(b)	(b)	(b)
6/10	303	193	136	208	196	178	104	127	159	219
Misc. T&G	120	82	84	146	107	19	13	16	261	238
Total Act. C's	6,027	3,618	3,800	3,914	3,603	2,909	2,673	2,533	2,441	2,265
Total bas. 303's ..	5,643	3,551	3,609	3,705	3,382	2,819	2,535	2,844	2,727	2,549

(a) Included in 24/300. (b) Included in 6/10. (c) Included in Misc. (24/10½ & 12/12½-13).

GREEN ASPARAGUS PACKS BY STATE & STYLE

(Thousands of Actual Cases—Figures Rounded—Season Beginning March of Year Shown)

BY STATE	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
East	475	105	218	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Illinois	645	574	356	407	363	318	(a)	(a)	(a)	(a)
Michigan	1,442	769	777	917	1,104	744	638	553	640	777
Wash. & Ore.	1,557	1,323	1,462	1,544	1,514	1,302	1,253	1,377	1,355	1,146
California	1,639	531	740	742	330	(a)	(a)	(a)	(a)	(a)
Other States	270	316	246	304	292	545	415	603	446	342
Total	6,027	3,618	3,800	3,914	3,603	2,909	2,673	2,533	2,441	2,265
BY STYLE										
Spears & Points	2,869	1,553	1,974	2,061	1,487	1,079	n.a.	n.a.	n.a.	n.a.
Cut	2,893	1,919	1,720	1,741	2,000	1,772	n.a.	n.a.	n.a.	n.a.
Cuts. Tps Rm	266	146	106	112	116	58	n.a.	n.a.	n.a.	n.a.

(a) Included in "Other States". n.a. Not available.

ASPARAGUS CARRYOVER—PACK—STOCK—SHIPMENTS

(Thousands of Actual Cases—Figures Rounded—Season Beginning Year Shown)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Carryover 3/1	1,278	2,599	1,168	312	668	1,026	1,093	707	594	797
Pack	6,027	3,618	3,800	3,914	3,603	2,909	2,673	2,533	2,441	2,265
Tot. Cner. Sup	7,305	6,217	4,968	4,226	4,272	3,935	3,766	3,240	3,036	3,063
CANNERS STOCKS										
Jan. 1	3,444	2,207	885	1,129	1,511	1,633	1,243	993	1,149	1,070
March 1	2,599	1,168	312	668	1,026	1,093	707	594	797	685
CANNER SHIPMENTS										
Mar. 1 to Jan. 1	3,861	4,010	4,083	3,097	2,761	2,302	2,523	2,248	1,886	1,993
Jan. 1 to Mar. 1	845	1,039	573	461	485	540	536	398	352	385
Mar. 1 to Mar. 1	4,706	5,049	4,656	3,558	3,246	2,842	3,059	2,646	2,238	2,378
EXPORTS**	219	123	116	105	148	176	188	205	112	99
GOV. PURCHASES**										
Armed Forces	61.7	49.1	8.3	.....	65.5	19.1	26.8	.....	37.8	23.3
USDA	0	0	0	0	0	0	0	0	0	0
Vet. Adm.	21.4	30.5	21.8	34.3	25.9	22.4	21.0	[1]18.0	n.a.	n.a.

**Basis 1,000 cases 24/303, season beginning year shown. Calendar year for exports. n.a. Not available.

[1] Estimated requirements.

CANNED SLICED APPLES • APPLE SAUCE
ASPARAGUS • GREEN AND WAX BEANS

Grown and packed in Central Western Michigan
Under the most favorable conditions of soil and climate,
where mother nature adds a full and very special flavor

Member: National Food Processors Association, Michigan Food Processors Assn.,
Processed Apples Institute

NEW ERA CANNING COMPANY
Established 1910
New Era, Michigan 49446 • Telephone (616) 861-2151

GREEN BEAN PACKS IN THE U.S.

Thousands of Cases, basis 24 No. 303 Cans.

1926	4,157	1934	6,292	1942	26,374	1950	23,212	1958	29,118	1966	36,564
1927	4,924	1935	7,358	1943	25,203	1951	20,797	1959	27,473	1967	48,150
1928	6,377	1936	6,924	1944	20,307	1952	16,848	1960	29,292	1968	47,136
1929	8,839	1937	10,591	1945	19,534	1953	23,902	1961	36,107	1969	42,481
1930	8,222	1938	1,111	1946	20,077	1954	29,137	1962	32,601	1970	43,189
1931	5,943	1939	8,953	1947	13,296	1955	25,521	1963	34,049	1971	45,213
1832	4,191	1940	10,406	1948	15,477	1956	25,598	1964	33,087	1972	44,383
1933	5,910	1941	14,241	1949	22,142	1957	27,292	1965	41,024	1973	50,887

GREEN BEAN PACKS BY REGION

Thousands of Cases, basis 24 No. 303 Cans, Thousands of Actual Cases beginning 1981. Calendar Year.

	1974	1975	1976	1977	1978	1979	1980	[1]1981	[1]1982	[1]1983
Northeast	7,021	7,082	6,614	9,796	11,431	n.a.	n.a.	6,625	7,925	5,753
Midatlantic	5,856	5,049	(a)	(a)	(a)	n.a.	n.a.	(a)	(a)	(a)
Midwest	18,531	19,718	22,895	25,264	24,847	n.a.	n.a.	26,059	25,559	25,263
West	17,066	13,116	10,208	9,850	10,813	n.a.	n.a.	7,467	5,940	5,910
South	9,496	6,501	4,310	6,041	6,139	n.a.	n.a.	5,088	3,021	3,423
Total 303's	57,971	51,466	44,027	50,952	53,229	62,624	54,769	49,797	46,335	44,227
Total Actual	52,273	47,338	41,007	46,852	48,504	55,865	49,904	45,240	42,446	40,348

[1]Actual cases. (a) Included in Northeast.

GREEN BEAN PACKS BY SIZE OF CONTAINER

(Thousands of Actual Cases—Figures Rounded—Calendar Year)

Units per Case & Size of Cont.	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
24/8Z	4,324	3,562	3,062	3,614	3,557	4,125	3,667	2,763	3,176	3,149
24/300-303	34,683	33,906	30,252	33,492	34,161	37,393	34,967	32,703	30,432	28,302
24/2½	1,020	1,012	651	932	959	967	709	1,092	(a)	440
6/10	11,307	8,189	6,458	8,282	9,212	12,928	9,787	8,120	7,665	8,134
Misc. Tin & Gl	938	670	584	532	615	454	775	561	1,173	323
Total	52,273	47,338	41,007	46,852	48,504	55,865	49,904	45,240	42,446	40,348

(a) Included in miscellaneous.

GREEN BEAN PACKS BY STYLE AND QUALITY

(Thousands of Actual Cases—Figures Rounded—Calendar Year)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Whole	3,084	2,546	2,338	2,463	2,272	2,672	2,035	1,537	1,889	1,318
Fr. Style	11,116	10,471	9,994	12,112	11,488	12,171	10,951	9,401	10,495	9,590
Fancy Cut	24,834	21,953	19,781	21,460	23,392	28,192	25,368	22,786	20,532	19,309
Ex. Std. Cut	9,410	9,119	6,251	7,439	7,512	9,076	8,539	8,986	6,633	7,452
Std. cut	3,829	3,249	2,643	3,378	3,841	3,754	3,011	2,530	2,898	2,679
Total	52,273	47,338	41,007	46,852	48,504	55,865	49,904	45,240	42,446	40,348

WAX BEAN PACKS IN THE UNITED STATES

Compiled by Economics & Statistics Div., Nat'l. Food Processors Assn.

Thousands of Cases, basis 24 No. 303 Cans. To convert to 2's multiply by .822

1926	769	1934	1,395	1942	2,650	1950	2,358	1958	3,117	1966	3,972
1927	780	1935	1,379	1943	2,751	1951	2,920	1959	3,426	1967	5,023
1928	1,206	1936	1,164	1944	1,893	1952	3,094	1960	3,862	1968	4,706
1929	1,562	1937	1,672	1945	1,651	1953	3,683	1961	4,056	1969	4,858
1930	1,844	1938	220	1946	2,300	1954	3,887	1962	4,265	1970	4,382
1931	1,459	1939	140	1947	2,675	1955	2,992	1963	3,618	1971	4,797
1932	717	1940	1,548	1948	3,035	1956	3,660	1964	3,745	1972	3,173
1933	839	1941	2,061	1949	3,047	1957	4,628	1965	4,603	1973	4,115

WAX BEAN PACKS BY REGION

Thousands of Cases, Basis 24 No. 303 Cans, Thousands of Actual Cases beginning 1981. Calendar Year.

	1974	1975	1976	1977	1978	1979	1980	[1]1981	[1]1982	[1]1983
Northeast	1,609	1,546	1,265	1,315	1,466	n.a.	n.a.	875	852	615
Midatlantic	343	349	(a)	(a)	(a)	n.a.	n.a.	(a)	(a)	(a)
Midwest	2,034	1,698	1,817	1,978	2,174	n.a.	n.a.	1,608	1,088	1,110
West	361	332	311	249	252	n.a.	n.a.	166	n.a.	n.a.
Total 303's	4,348	3,924	3,394	3,541	3,892	3,657	3,384	3,012	2,496	2,279
Total Actual	4,043	3,546	3,130	3,146	3,473	3,225	2,916	2,648	2,155	1,885

[1]Actual cases. (a) Included in Northeast. n.a. Not available.

WAX BEAN PACKS BY SIZE OF CONTAINER

(Thousands of Actual Cases—Figures Rounded—Calendar Year)

Units to Case & Size of Cont.	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
24/8Z	468	364	356	297	362	363	240	213	215	115
24/303	2,621	2,177	2,003	1,941	2,105	1,881	1,736	1,688	1,226	1,046
6/10	851	894	695	866	909	972	931	742	714	720
Misc. Tin & Gl ...	102	111	76	42	97	10	9	5	.....	4
Total	4,043	3,546	3,130	3,146	3,473	3,225	2,916	2,648	2,155	1,885

WAX BEAN PACKS BY STYLE & QUALITY

(Thousands of Actual Cases—Figures Rounded—Calendar Year)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Whole	147	112	61	46	123	22	34	38	11	12
Fr. Style	251	225	191	208	203	234	169	131	102	70
Fancy Cut	2,507	2,316	2,049	1,935	2,024	2,119	1,771	1,686	1,403	1,044
Ex. Std. Cut	916	647	646	657	822	630	713	675	480	596
Std. Cut	221	245	184	299	300	221	229	118	159	164
Total	4,043	3,546	3,130	3,146	3,473	3,225	2,916	2,648	2,155	1,885

GREEN & WAX BEANS—CARRYOVER, PACK, STOCKS, SHIPMENTS

Source: U.S. Department of Commerce, Office of Domestic Commerce, Bureau of Census and the National Food Processors Association

(Thousands of Actual Cases—Figures Rounded. Season beginning year shown)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Carryover 7/1	4,507	13,225	12,045	5,477	4,976	6,102	9,913	14,012	11,071	7,460
Pk., 7/1-1/1	53,557	47,889	42,703	48,183	50,639	56,720	52,821	45,518	43,241	41,769
Pk., 1/1-7/1*	2,995	1,435	1,815	1,338	2,371	1,289	2,369	1,361	465	P
Canner Supply ..	61,058	62,548	56,563	54,998	57,985	64,110	65,103	60,892	54,776	†49,229
CANNER SHIPMENTS										
7/1 to 1/1	26,796	24,878	26,227	25,542	27,627	27,718	26,817	24,983	23,783	24,624
January	3,722	5,247	4,666	4,328	4,300	5,364	4,361	4,950	4,414	4,454
February	3,677	5,085	5,718	4,603	4,959	4,700	5,029	4,101	4,195	4,258
March	3,344	4,343	5,274	4,610	4,783	4,578	4,498	4,970	4,207	3,459
April	(b)	(b)	(b)	(b)	(b)	(b)	4,009	3,649	3,666	P
May	7,191	7,710	6,093	7,825	7,699	8,773	3,796	4,424	4,094	P
June	3,103	3,240	3,108	3,115	2,516	3,064	2,579	2,743	2,957	P
7/1 to 7/1	47,833	50,504	51,086	50,023	51,884	54,198	51,090	49,821	47,316	P
CANNER STOCKS*										
January 1	31,267	36,236	28,521	28,118	27,987	35,103	35,917	34,548	30,528	24,605
February 1	27,545	30,988	23,855	23,791	23,688	29,739	31,555	29,597	26,114	20,151
March 1	23,868	25,903	18,137	19,187	18,729	25,039	26,526	25,497	21,919	15,893
April 1	20,524	21,560	12,863	14,577	13,946	20,460	22,028	20,526	17,712	12,431
May 1	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	18,018	16,878	14,047	P
June 1	13,535	14,545	7,484	7,490	7,477	11,687	14,222	12,454	9,952	P
July 1	13,225	12,045	5,477	4,976	6,102	9,913	14,012	11,071	7,460	P
EXPORTS*** ...	335	256	1,474	1,051	1,038	890	809	876	1,047	651
GOV. PURCHASES***										
Armed Forces ...	529.1	312.5	242.3	338.7	370.6	367.0	450.7	340.4	357.7	421.7
USDA	967.5	1,050.1	1,183.2	983.4	81.2	1,289.4	966.9	1,121.9	1,096.9	[2]874.8
Vet. Adm.	45.7	67.0	49.9	76.8	105.2	80.4	69.5	[1]72.7	n.a.	n.a.

*Stock figures reflect Spring pack as reported. ***Basis 1,000 24/303. Season beginning year shown. Calendar year for Exports. †Supply to Apr. 1. P-Not available at press time. n.a. Not available. (b) Included in May. [1]Projected. [2]July 1 to Mar. 31.

FRESH LIMA BEAN PACKS IN THE UNITED STATES

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

Thousands of Cases, basis No. 303 Cans. To convert to 2's, multiply by .822

1934	1,609	1941	2,912	1948	3,021	1955	3,424	1962	3,615	1969	3,596
1935	1,447	1942	3,083	1949	5,332	1956	4,142	1963	3,089	1970	2,776
1936	1,892	1943	2,292	1950	3,940	1957	3,071	1964	2,213	1971	3,116
1937	1,845	1944	2,009	1951	3,599	1958	3,005	1965	2,981	1972	2,116
1938	2,343	1945	1,928	1952	2,826	1959	3,282	1966	3,531	1973	3,150
1939	2,441	1946	2,131	1953	3,764	1960	2,754	1967	3,963	1974	2,523
1940	2,430	1947	2,689	1954	4,294	1961	4,250	1968	3,818	1975	3,729

FRESH LIMA BEAN PACKS BY STATE

Thousands of Cases, basis 24 No. 303 Cans. Figures Rounded. Season Beginning Year Shown

	1974	1975	1976	1977	1978	1979	*1980	*1981	*1982	*1983
N.Y.,Del.Md,Pa.	689	770	654	511	1,010	716	652	571	593	(a)
Wis, Ill., Minn	946	1,773	1,427	1,214	O.S.	1,233	(a)	(a)	615	382
Other States	888	1,185	732	932	2,347	1,112	2,205	2,016	952	1,873
Total 303's	2,523	3,729	2,812	2,657	3,356	3,061	2,833	2,602	2,275	2,338
Tot. Act. Cs	2,518	3,631	2,811	2,669	3,298	3,007	2,858	2,587	2,160	2,255

FRESH LIMA BEAN PACKS BY SIZE OF CONTAINER

(Thousands of Actual Cases—Figures Rounded, Season Beginning Year Shown)

Units to Case & Size of Container	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
24/8Z	510	685	568	568	579	530	621	(a)	(a)	(a)
24/300-303	1,601	2,253	1,796	1,676	2,171	1,975	1,791	1,711	1,356	1,349
6/10	407	693	447	425	547	502	445	398	452	468
Misc. Tin & Gl	....	.....	.....	.....	.....	.....	2	478	351	438
Total	2,518	3,631	2,811	2,669	3,298	3,007	2,858	2,587	2,160	2,255

*Actual cases. (a) Included in Misc. or Other States.

FRESH LIMA BEAN PACKS BY STYLE

(Thousands of Actual Cases—Figures Rounded, Season Beginning Year Shown)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Green Limas										
Midget & Tiny	100	206	133	185	228	187	170	222	209	192
Small	509	609	484	422	551	497	469	446	452	412
Medium	295	584	521	486	327	432	477	474	465	484
Mixed	1,322	1,937	1,368	1,374	1,939	1,493	1,447	1,265	891	1,100
Green & White	128	81	133	41	70	192	192	65	70	66
Fordhooks	163	215	172	161	182	205	102	114	72	0
Total	2,518	3,631	2,811	2,669	3,298	3,007	2,858	2,587	2,160	2,255

LIMA BEANS CARRYOVER—PACK—STOCKS—SHIPMENTS

(Thousands of Actual Cases—Figures Rounded. Season beginning year shown)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Carryover 8/1	297	255	902	610	294	466	546	687	574	328
Pack	2,518	3,631	2,811	2,669	3,298	3,007	2,858	2,587	2,160	2,255
Canner Supply	2,815	3,886	3,713	3,279	3,592	3,473	3,403	3,274	3,734	2,583
CANNER SHIPMENTS										
Aug 1 to Jan 1	1,461	1,437	1,299	1,539	1,421	1,458	1,338	1,301	1,214	1,205
Jan 1 to Apr 1	486	699	1,163	827	883	726	821	739	638	584
Apr 1 to June 1	271	397	231	402	469	420	403	382	345	P
June 1 to Aug 1	342	451	410	216	353	323	154	278	209	P
Tot 8/1 to 8/1	2,560	2,985	3,103	2,985	3,126	2,928	2,716	2,700	2,406	P
CANNER STOCKS										
January 1	1,354	2,449	2,413	1,740	2,171	2,015	2,065	1,973	1,520	1,379
April 1	868	1,750	1,251	912	1,288	1,289	1,244	1,234	882	794
June 1	557	1,353	1,019	510	819	869	841	852	537	P
August 1	255	902	610	294	466	546	687	574	328	P
GOV. PURCHASES**										
Armed Forces	105.4	101.1	44.6	82.5	85.7	74.8	91.5	91.9	72.7	81.7
U.S.D.A.	0	0	0	0	0	0	....	....	....	[2]28.5
Vet. Admn.	8.3	9.9	9.0	16.8	19.4	10.0	6.4	[1]7.6	n.a.	n.a.

**Basis 1,000 cases 24/303's, Pack year. P-Not available at press time. n.a. Not available.
[1]Projected. [2]July 1 to Mar. 31.

BEET PACKS IN THE UNITED STATES*

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

Thousands of Cases, basis 24 No. 303 Cans. To convert to 2's, multiply by .822

Year	Cases	Year	Cases	Year	Cases	Year	Cases	Year	Cases	Year	Cases
1909	264	1929	2,445	1938	3,875	1947	4,126	1956	11,822	1965	10,007
1914	525	1930	3,566	1939	2,771	1948	5,421	1957	10,194	1966	11,382
1919	1,219	1931	1,969	1940	4,538	1949	8,955	1958	9,598	1967	11,785
1921	815	1932	1,274	1941	8,986	1950	9,947	1959	9,651	1968	14,597
1923	1,136	1933	1,483	1942	8,181	1951	9,189	1960	8,847	1969	11,339
1925	2,532	1934	2,679	1943	7,392	1952	8,165	1961	10,646	1970	11,310
1926	1,505	1935	3,003	1944	9,624	1953	10,471	1962	12,594	1971	10,430
1927	1,378	1936	3,038	1945	11,162	1954	8,615	1963	12,665	1972	10,025
1928	1,578	1937	3,917	1946	8,593	1955	9,198	1964	10,709	1973	10,881

BEET PACKS BY AREA*

Thousands of Cases, basis 24 No. 303 Cans. Figures Rounded

	1973	1974	1975	1976	1977	1978	†1979	†1980	†1981	††1982
East	3,570	4,724	4,061	2,762	3,019	4,145	†4,317	†3,561	†3,136	†3,524
Midwest	4,770	7,506	6,968	4,374	5,649	6,168	†6,714	†4,710	†3,885	†4,898
West	2,541	2,854	2,101	2,065	2,621	2,661	†3,137	†2,154	†2,088	†1,814
Tot 303's	10,881	15,084	13,130	9,201	11,289	12,973	15,103	10,878	9,657	10,868
Tot. Act. Cs	11,990	16,133	13,475	9,448	11,248	12,801	14,168	10,425	9,110	10,236

*12 months beginning July 1 of year stated. Includes Tin and Glass. † Actual cases. ††1983-84 Pack 7/1/83 to 4/1/84 - 8,692 basis 303's: 7,684 actual cases compared with 10,684 and 9,928 same period year ago.

BEET PACKS BY SIZE OF CONTAINER AND STYLE*

(Thousands of Actual Cases—Figures rounded)

Units per Case & Size of Container	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
24/8 oz	1,734	2,087	1,638	1,210	1,362	1,526	1,417	1,000	1,052	1,199
12/16 oz.	3,338	3,873	2,612	1,909	2,089	2,373	2,331	1,637	1,415	1,313
24/300-303	4,639	7,098	6,389	4,243	4,981	5,516	5,923	4,971	3,811	4,723
6/10	2,261	3,065	2,832	2,086	2,815	3,386	4,497	2,817	2,832	3,001
Misc. Tin & Gl.	16	10	4	.....	1	.....	.....	.....	.....	.....
Total	11,990	16,133	13,475	9,448	11,248	12,801	14,168	10,425	9,110	10,236
BY STYLE										
Whole	2,619	2,909	2,496	1,876	1,457	2,055	1,978	1,594	1,355	1,515
Cuts & Sections	801	1,445	1,308	903	1,349	991	1,514	927	649	670
Sliced & Salad	7,391	9,783	8,316	5,781	6,826	8,215	8,595	6,616	5,601	6,773
Diced	730	1,259	934	547	999	993	1,120	813	879	757
French Style	377	527	357	273	510	454	798	382	535	427
Irreg. Pieces	73	208	64	69	108	93	162	93	91	93

*12 months beginning July 1 of year stated. Includes Tin and Glass.

CARROT PACKS IN THE UNITED STATES

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

Thousands of Cases, basis 24 No. 303 Cans. To convert to 2's multiply by .82

Includes tin & glass. 12 months beginning March 1 of year stated, July 1 beginning 1965.

Year	Cases	Year	Cases	Year	Cases	Year	Cases	Year	Cases	Year	Cases
1931	303	1941	2,511	1948	3,738	1955	2,237	1962	5,085	1969	5,463
1933	734	1942	2,785	1949	2,184	1956	3,752	1963	5,100	1970	5,388
1935	1,129	1943	2,908	1950	2,280	1957	2,912	1964	4,471	1971	5,310
1937	1,158	1944	3,820	1951	2,656	1958	3,858	1965	4,516	1972	5,529
1938	858	1945	4,939	1952	3,382	1959	3,504	1966	7,064	1973	6,391
1939	1,476	1946	4,572	1953	3,351	1960	5,043	1967	5,546	1974	6,914
1940	1,751	1947	1,191	1954	2,557	1961	3,939	1968	5,122	1975	4,717

CARROT PACKS BY AREA*

Thousands of Cases, basis 24 No. 303 Cans. Figures Rounded

	1973	1974	1975	1976	1977	1978	1979	1980	†1981	††1982
East	1,802	1,432	1,009	1,047	1,721	†1,258	†1,307	†828	†1,093	†992
Midwest	3,808	4,147	2,800	3,483	4,039	†3,255	†3,511	†2,410	†2,515	†3,028
West	781	1,336	908	691	827	†804	†1,531	†545	†913	†1,082
Tot. 303's	6,391	6,914	4,717	5,221	6,586	6,250	7,267	4,365	5,251	5,932
Tot. Act. Cs	5,527	5,990	4,215	4,562	5,601	5,317	6,349	3,783	4,522	5,102

*12 months beginning July 1 of year stated. Includes tin and glass. † Actual cases. ††1983-84 pack 7/1/83 to 4/1/84—4,360 basis 303's; 3,692 Actual cases, compared with 5,769 and 4,961 same period year ago.

CARROT PACKS BY SIZE OF CONTAINER AND STYLE*

(Thousands of Actual Cases—Figures Rounded)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	†1982
24/8 oz	808	735	555	619	742	600	913	428	590	680
24/303 & 300	2,687	2,923	2,417	2,395	2,688	2,743	3,239	2,088	2,302	2,561
6/10	2,025	2,066	1,243	1,548	2,171	1,974	2,196	1,267	1,630	1,861
Misc.	8	265	.....	.....	.....	.....	.....	.....	281	.....
Total	5,527	5,990	4,215	4,562	5,601	5,317	6,349	3,783	4,522	5,102
BY STYLE										
Whole	619	733	912	495	711	717	752	510	514	504
Cut & Sections	71	78	41	20	65	67	66	25	10	22
Sliced	3,734	3,937	2,621	3,298	3,785	3,600	4,425	2,695	3,102	3,716
Diced	907	1,047	554	688	975	821	1,008	490	779	(a)
Shoestring	101	153	79	45	54	91	71	50	102	77
Irreg. Pieces	96	41	9	16	11	22	26	12	14	782

*Includes tin and glass. 12 months beginning July 1 of year stated. †1983-84 pack 7/1/83 to 4/1/84—3,692. (a) Included in Irreg. pieces.

CORN PACKS IN THE UNITED STATES

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

Thousands of Cases, basis 24 No. 303 Cans. To convert to 2's, multiply by .822

1905	15,883	1917	13,180	1929	21,334	1941	31,853	1953	37,798	1965	39,116
1906	11,147	1918	14,301	1930	19,144	1942	39,184	1954	37,355	1966	45,525
1907	8,118	1919	16,531	1931	23,686	1943	35,081	1955	29,372	1967	49,268
1908	8,276	1920	18,349	1932	11,416	1944	30,609	1956	43,515	1968	59,278
1909	7,060	1921	10,788	1933	12,435	1945	34,450	1957	36,455	1969	49,387
1910	12,277	1922	13,931	1934	13,747	1946	37,760	1958	33,019	1970	46,995
1911	17,447	1923	17,209	1935	26,195	1947	31,829	1959	41,232	1971	53,757
1912	15,993	1924	14,800	1936	17,838	1948	38,409	1960	35,276	1972	52,957
1913	8,885	1925	29,670	1937	28,720	1949	36,350	1961	46,167	1973	55,228
1914	11,943	1926	23,264	1938	24,973	1950	22,254	1962	45,744	1974	46,430
1915	12,351	1927	12,623	1939	17,772	1951	31,203	1963	44,152	1975	57,458
1916	11,139	1928	17,686	1940	18,939	1952	39,441	1964	37,551	1976	54,694

CORN PACKS BY AREA*

Thousands of Actual Cases, figures rounded.

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
East†	1,627	2,421	2,477	2,670	2,902	2,775	2,373	2,586	3,122	2,858
Midwest†	33,877	41,355	42,011	46,285	44,227	45,200	38,256	45,096	45,137	39,788
West†	10,324	12,169	9,824	7,000	9,783	10,861	9,627	9,879	11,197	8,173
Total Golden	45,828	55,944	54,312	55,956	56,913	58,836	50,256	57,561	59,456	50,818
Total White	1,663	2,108	1,413	1,124	1,154	1,343	743	839	1,026	540
Tot Pack A/C	47,491	58,052	55,725	57,080	58,066	60,179	51,600	58,400	60,482	51,359
Tot Basis 24/303	46,430	57,458	54,694	56,300	57,907	60,022	50,574	57,949	60,522	51,595
Tot Basis 24/2	38,073	47,116	44,849	46,166	47,484	49,218	41,572	47,634	49,749	42,411

†Golden only. *Revised with 1982 Almanac. No breakouts by 303 nor of white available since 1977. Report does not include field corn, corn on the cob, nor succotash.

CORN PACKS BY SIZE OF CONTAINER†

(Thousand of Actual Cases—Figures Rounded)

Size of Container	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
24/8z Sh & Tl	5,264	6,161	6,155	5,702	5,207	6,241	5,251	5,723	6,884	4,708
24/12z Vac (b)	8,811	10,353	9,181	9,819	(a)	(a)	(a)	(a)	(a)	8,415
24/303 & 300	28,727	35,081	34,713	36,040	38,165	37,043	31,836	37,777	36,910	32,315
6/10*	4,255	6,032	5,077	5,261	5,692	6,686	5,158	5,608	7,271	5,780
Misc.	434	424	599	257	9,002	10,209	8,754	9,292	9,417	141
Total	47,491	58,052	55,725	57,080	58,066	60,179	51,000	58,400	60,482	51,359

†White and Golden. *Includes 6/75z (603x600). (a) Included with misc. (b) Beginning 1983 includes 24/2 vac.

CORN PACK BY QUALITY AND STYLE

(Thousands of Actual Cases—Figures Rounded)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
GOLDEN										
Whole Kernel										
Fancy	26,531	32,225	32,813	34,281	34,493	34,191	30,079	35,277	37,469	30,321
Ex. Std.	3,623	5,940	5,087	5,598	6,105	6,953	6,210	5,893	6,266	7,356
Standard	1,002	755	929	693	1,240	966	814	716	725	776
Total	31,157	38,920	38,830	40,571	41,838	42,110	37,103	41,886	44,460	38,454
Cream Style										
Fancy	12,760	14,593	14,151	13,992	13,273	14,270	11,328	13,892	13,343	10,424
Ex. Std.	1,768	2,230	1,183	1,293	1,666	2,119	1,665	1,672	1,440	1,731
Standard	142	201	149	100	135	337	160	111	213	210
Total	14,671	17,024	15,483	15,385	15,075	16,726	13,154	15,675	14,996	12,364
WHITE										
Whole Kernel										
Fancy	796	990	711	791	n.a.	n.a.	n.a.	n.a.	673	368
Ex. Std.	31	67	23	58	n.a.	n.a.	n.a.	n.a.	3	15
Standard	13	11	4	10	n.a.	n.a.	n.a.	n.a.	3	1
Total	840	1,067	738	859	600	873	n.a.	n.a.	679	385
Cream Style										
Fancy	814	990	558	133	n.a.	n.a.	n.a.	n.a.	347	152
Ex. Std.	4	17	117	91	n.a.	n.a.	n.a.	n.a.	.....	4
Standard	5	33	.....	41	n.a.	n.a.	n.a.	n.a.	(a)	0
Total	823	1,040	675	265	554	470	n.a.	n.a.	348	156
Total All	47,491	58,052	55,725	57,080	58,066	60,179	51,000	58,400	60,482	51,359
Total Fancy	40,902	48,798	48,233	49,197	n.a.	n.a.	n.a.	n.a.	51,832	41,265
Total Ex. Std.	5,426	8,254	6,410	7,040	n.a.	n.a.	n.a.	n.a.	7,709	9,107
Total Std.	1,163	1,000	1,082	844	n.a.	n.a.	n.a.	n.a.	941	987
Total W.K.	31,997	39,987	39,568	41,430	42,438	42,983	n.a.	n.a.	45,139	38,838
Total C.S.	15,495	18,065	16,158	15,650	15,629	17,197	n.a.	n.a.	15,344	12,521
Total White	1,663	2,108	1,413	1,124	1,154	1,343	743	839	1,026	541
Total Golden	45,828	55,944	54,313	55,956	56,913	58,836	50,256	57,561	59,456	50,818

n.a. Not available. (a) Less than 500 cases.

F. O. MITCHELL & BRO., Inc.

Packers of

Whole Kernel

SHOEPEG and GOLDEN SWEET CORN

PERRYMAN, MARYLAND

SWEET CORN—CARRYOVER, PACK, STOCKS, SHIPMENTS

(Thousands of Actual Cases—Figures Rounded, Season[†] beginning year shown)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Carryover 7/1	4,405	5,569	9,825	9,878	8,100	10,188	9,966	5,189	7,731	11,492
Pack	47,491	58,052	55,725	57,080	58,066	60,179	51,000	58,400	60,482	51,359
Canner Supply	51,896	63,620	65,550	66,957	66,166	70,367	60,966	63,589	68,214	62,851
CANNER SHIPMENTS										
July 1 to Nov. 1	19,573	18,444	16,203	18,431	17,617	18,348	18,685	16,400	18,421	21,120
November	3,993	3,814	4,940	4,857	5,299	5,116	5,031	5,601	4,697	4,110
December	3,295	4,448	4,783	5,298	4,653	5,249	5,079	5,240	5,102	4,153
January	2,739	5,485	5,684	5,076	4,714	6,032	5,226	5,194	4,821	5,066
February	3,420	5,013	6,913	6,250	5,893	5,742	5,270	5,615	4,933	4,389
March	4,360	4,845	6,522	6,081	5,686	5,658	6,610	5,806	5,678	4,108
April	(a)	(a)	(a)	(a)	(a)	(a)	4,528	4,508	4,448	P
May	6,199	7,967	7,548	9,613	9,314	10,827	3,619	4,922	5,132	P
June	2,751	3,779	3,080	3,252	2,802	3,429	1,729	2,571	3,488	P
July 1 to July 1	46,328	53,795	55,673	58,857	55,978	60,401	55,777	55,858	56,721	P
CANNER STOCKS										
November 1	32,323	45,176	49,348	48,526	48,549	52,020	42,281	47,189	49,792	41,731
December 1	28,331	41,362	44,408	43,670	43,249	46,903	37,250	41,588	45,095	37,622
January 1	25,036	36,914	39,625	38,372	38,596	41,655	32,171	36,348	39,993	33,469
February 1	22,298	31,428	33,941	33,296	33,883	35,623	26,945	31,154	35,172	28,403
March 1	18,878	26,416	27,028	27,046	27,990	29,881	21,676	25,539	30,239	24,014
April 1	14,518	21,571	20,506	20,965	22,304	24,222	15,065	19,732	24,561	19,906
May 1	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	10,538	15,224	20,113	P
June 1	8,320	13,604	12,958	11,352	12,990	13,395	6,918	10,302	14,981	P
July 1	5,569	9,825	9,878	8,100	10,188	9,966	5,189	7,731	11,492	P
EXPORTS**	2,092	2,081	2,211	2,872	3,537	4,394	5,105	6,543	5,716	6,065
GOV. PURCHASES**										
Armed Forces	768.7	305.4	167.8	441.7	421.6	465.1	402.2	488.2	389.9	278.1
U.S.D.A.	0	600.8	1,639.4	1,774.1	1,118.8	2,087.5[1]	972.5	61.2	464.3	[2]735.9
Vet Adm.	21.7	70.7	27.8	29.3	57.0	46.1	55.9	[1]44.1	n.a.	n.a.

**Basis 1,000 cases 24/303, season beginning year shown. Calendar year for Exports. (a) Included in May. n.a. Not available. P - Not available at press time. [1]Estimated requirements. [2]July 1 to March 31.

GREEN PEA PACKS IN THE UNITED STATES

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

Thousands of Cases, basis 24 No. 303 Cans.

1899	3,130	1918	13,497	1930	26,883	1942	43,012	1954	29,220	1966	31,856
1904	5,727	1919	10,596	1931	16,209	1943	42,763	1955	33,399	1967	37,692
1908	6,804	1920	15,027	1932	12,648	1944	38,460	1956	35,682	1968	36,231
1909	6,134	1921	10,013	1933	15,729	1945	48,372	1957	41,290	1969	32,071
1910	5,303	1922	15,911	1934	19,205	1946	49,938	1958	36,035	1970	28,697
1911	5,529	1923	17,017	1935	30,132	1947	40,405	1959	31,309	1971	33,197
1912	8,915	1924	23,564	1936	20,194	1948	28,494	1960	28,714	1972	33,081
1913	10,699	1925	21,736	1937	28,630	1949	28,631	1961	32,399	1973	29,558
1914	10,793	1926	21,605	1938	31,059	1950	35,479	1962	33,725	1974	33,120
1915	11,312	1927	15,782	1939	19,610	1951	41,378	1963	33,588	1975	35,172
1916	8,157	1928	21,895	1940	30,739	1952	32,342	1964	30,045	1976	31,927
1917	11,991	1929	22,607	1941	35,043	1953	34,206	1965	37,585	1977	30,238

GREEN PEA PACKS BY AREA

(Thousands of Cases, basis 24 No. 303 Cans)

	1974	1975	1976	1977	1978	1979	*1980	*1981	*1982	*1983
EAST	2,234	2,057	2,077	1,674	1,491	2,751	**	2,113	**	***
MIDWEST	26,407	28,246	24,512	27,017	20,717	30,525	18,533	16,435	16,217	13,959
WEST	4,479	4,869	5,338	1,546	3,041	3,216	5,376	2,736	2,571	***
U.S. ALASKA	(a)	(a)	(a)	(a)	(a)	(a)	6,208	6,648	5,728	4,401
Tot. Bas. 303's	33,120	35,172	31,927	30,238	25,269	36,492	30,056	27,296	24,790	20,827
Tot. Bas. 2's	27,158	28,841	26,180	24,795	20,771	29,996	24,706	22,437	20,377	17,120
Tot. Actual Cs.	33,417	35,250	32,780	30,535	25,426	36,232	30,117	27,932	24,516	20,562

*Actual cases sweets and alsweets only. No area breakdown for Alaska available. **Sweet pack included in West. ***Sweet pack included in Total. (a) Included in area breakdown.

GREEN PEA PACKS BY SIZE OF CONTAINER & QUALITY

(Thousands of Actual Cases—Figures Rounded)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
QUALITY BY CONTAINER SIZE—all varieties										
24/8Z Total	6,314	5,980	5,786	5,148	3,915	5,360	5,074	4,472	3,390	2,824
Fancy	5,615	5,155	5,482	4,710	3,536	5,049	4,827	4,194	3,213	2,694
Ex. Std.	568	720	237	374	316	269	232	255	148	106
Std.	131	105	67	64	63	42	15	24	29	24
24/300-303 Tot	22,583	24,718	23,841	21,840	18,701	26,259	21,172	20,990	17,992	15,102
Fancy	14,344	15,448	16,695	14,492	12,269	18,338	14,317	14,174	11,736	10,643
Ex. Std.	6,813	7,765	6,189	6,266	5,197	6,588	6,038	5,901	5,709	4,012
Std.	1,427	1,504	957	1,082	1,236	1,334	818	915	546	446
6/10 Tot.	4,460	4,552	3,151	3,547	2,809	4,612	3,870	2,470	3,085	2,628
Fancy	1,227	1,202	963	1,106	715	1,344	958	803	925	908
Ex. Std.	2,615	2,784	1,918	2,151	1,736	2,781	2,511	1,443	1,928	1,594
Std.	619	565	269	290	358	487	401	225	232	126
Total All	33,417	35,250	32,780	30,535	25,425	36,232	30,117	27,932	24,516	20,562
Tot. Fancy*	21,234	21,806	23,142	20,308	16,519	24,730	20,102	19,170	15,924	14,252
Tot. Ex. Std.*	10,006	11,269	8,345	8,792	7,249	9,639	8,781	7,599	7,785	5,712
Tot. Std.*	2,177	2,175	1,293	1,435	1,657	1,863	1,234	1,163	807	598

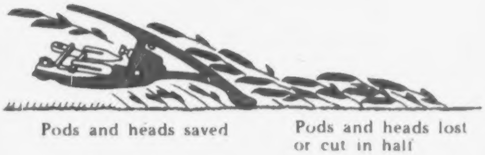
*Includes small pack of misc. tin and glass sizes not included in above container size breakdown.

GREEN PEA PACKS BY VARIETY, QUALITY & SIEVE SIZE

(Thousands of Actual Cases—Figures Rounded)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
QUALITY BY VARIETY										
ALASKA										
Fancy	3,660	3,650	4,110	4,186	3,686	5,011	4,332	4,779	3,942	2,827
Ex. Std.	1,815	2,246	1,681	1,741	1,693	2,179	1,704	1,697	1,616	1,445
Std.	696	631	432	332	463	458	172	172	171	130
Total Alaska	6,171	6,527	6,224	6,259	5,841	7,648	6,208	6,648	5,728	4,401
SWEET										
Fancy	17,574	18,156	19,032	16,122	12,834	19,719	15,770	14,391	11,982	11,425
Ex. Std.	8,191	9,023	6,664	7,051	5,556	7,460	7,077	5,902	6,170	4,267
Std.	1,481	1,544	861	1,103	1,194	1,405	1,062	991	636	468
Total Sweet	27,246	28,723	26,556	24,276	19,584	28,584	23,910	21,284	18,788	16,161
SIEVE SIZE BY VARIETY										
ALASKA										
1 Sieve	n.a.	78	97	71	81	91	84	167	214	218
2 Sieve	n.a.	2,836	3,019	3,036	2,763	3,433	3,042	3,748	2,524	1,939
3 Sieve	n.a.	2,617	2,176	2,007	2,040	2,664	1,976	1,451	1,680	954
4 Sieve & Up	n.a.	602	882	1,067	942	1,442	1,056	1,049	1,076	1,181
Mixed	n.a.	395	49	77	16	17	50	233	233	109
SWEET & ALSW.										
1 and 2 Sieve	n.a.	1,846	1,495	1,321	712	1,668	1,077	1,288	2,712	1,118
3 Sieve	n.a.	3,165	1,522	1,702	960	1,461	1,318	1,094	1,024	894
4 Sieve	n.a.	3,408	1,929	2,141	1,719	2,432	2,206	1,830	1,913	1,868
5 Sieve & Up	n.a.	1,772	1,013	1,585	1,034	1,360	1,943	1,773	1,171	672
Mixed	n.a.	18,533	20,597	17,528	15,160	21,662	17,366	15,299	11,968	11,610

PICK-UP GUARDS — PEAS
FOR WINDROWERS PEA HARVESTERS
FLOATING CUTTERBARS


Pods and heads saved
Pods and heads lost or cut in half

Manufactured and Unconditionally Guaranteed for over seventy years by
Gaterman MFG. CO., INC.
Phone 4 4 682-6108
P O Box 567, MANITOWOC, WI. 54220

1984-85
DIRECTORY
OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

For Immediate Shipment Phone Today!
301—876-7150

THE CFP DIRECTORY
P.O. Box 550 Westminster, Md. 21157 USA

CANNED GREEN PEAS CARRYOVER—PACK—STOCKS—SHIPMENTS

(Thousands of Actual Cases—Figures Rounded—Season beginning year shown)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Carryover June 1	1,728	4,624	8,153	7,903	4,701	1,787	6,095	5,979	6,178	3,530
Pack	33,417	35,250	32,780	30,535	25,426	36,232	30,117	27,932	24,516	20,562
Canner Supply	35,145	39,874	40,933	38,438	30,127	38,019	36,212	33,911	30,694	24,093
CANNER SHIPMENTS										
6/1 to 10/1	12,367	.....	.....	.....	.....	.....	.....	.....	.....	.....
6/1 to 9/1	n.a.	7,465	7,590	6,963	7,541	8,057	6,152	4,859	5,110	5,362
September	n.a.	3,050	2,936	3,969	3,005	2,927	2,828	2,892	2,889	2,988
October	3,507	2,977	2,800	3,277	2,518	2,723	2,958	2,504	2,753	2,401
November	1,960	2,879	2,760	3,091	2,648	2,717	2,908	2,745	2,789	1,848
December	2,078	2,724	2,579	2,656	2,706	2,400	2,671	2,525	2,288	1,559
January	2,104	2,993	2,789	2,520	2,056	2,665	2,424	2,254	2,298	2,256
February	2,243	3,036	3,496	3,225	2,469	2,524	2,369	2,520	2,485	2,167
March	2,513	2,654	3,557	3,076	2,413	2,768	2,862	2,639	2,427	1,409
April	(a)	(a)	(a)	(a)	(a)	(a)	2,326	2,356	2,058	1,244
May	3,749	3,943	4,524	4,961	2,985	5,134	3,003	2,439	2,067	P
6/1 to 6/1	30,521	31,721	33,030	33,737	28,340	31,924	30,233	27,733	27,164	P
CANNER STOCKS										
September 1	.....	32,409	33,344	31,475	22,586	29,962	30,060	29,052	25,584	18,731
October 1	22,778	29,359	30,408	27,506	19,581	27,035	27,232	26,160	22,696	15,743
November 1	19,271	26,382	27,608	24,230	17,063	24,311	24,273	23,656	19,943	13,342
December 1	17,311	23,503	24,848	21,138	14,416	21,594	21,365	20,911	17,153	11,494
January 1	15,232	20,779	22,269	18,482	11,709	19,186	18,694	18,386	14,865	9,935
February 1	13,128	17,786	19,480	15,963	9,654	16,521	16,539	16,132	12,568	7,678
March 1	10,885	14,750	15,984	12,738	7,184	13,997	14,170	13,612	10,082	5,511
April 1	8,373	12,096	12,426	9,662	4,772	11,229	11,307	10,973	7,655	4,102
May 1	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	8,982	8,617	5,597	2,858
June 1	4,624	8,153	7,903	4,701	1,787	6,095	5,979	6,178	3,530	P
EXPORTS**	206	441	255	318	282	217	322	284	262	217
GOV. PURCHASES**										
Armed Forces	536.7	170.6	136.2	164.8	112.0	211.3	201.9	191.2	159.4	226.3
U.S.D.A	0	371.5	758.6	914.4	794.3	894.6	934.3	541.7	714.3	[1]728.3
Vet. Adm.	39.3	65.5	37.5	33.5	64.8	47.8	45.0	[1]44.8	n.a.	n.a.

**Basis 1,000 24/303's. Calendar year for Exports. (a) Included in May. n.a. - Not available. P-Not available at press time. [1]July 1 to Mar. 31.

PACKS OF CANNED FRESH FIELD PEAS

Thousands of Actual Cases, all size cans

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982P
Blackeye	622	737	618	528	516	595	1,415	444	992	559
Field	671	215	224	389	342	267	378	312	493	325
Cream	389	345	116	201	240	309	121	123	273	183
Crowder	233	353	144	125	163	231	162	161	289	150
Purple Hull	712	952	735	539	793	810	376	805	691	691
Total	2,628	2,603	1,837	1,783	2,053	2,212	2,452	1,845	2,738	1,908

P - 1983 pack not available at press time (6/1/84).

PIMIENTO PACKS IN THE UNITED STATES

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

Thousands of Cases, basis 24 No. 303 Cans. Figures Rounded

1943	196
1944	309
1945	470
1946	596
1947	581
1948	555
1949	783
1950	1,480
1951	545
1952	378
1953	1,246
1954	816
1955	1,229
1956	426
1957	435
1958	602
1959	777
1960	904
1961	1,198
1962	291
1963	321
1964	686
1965	827
1966	675
1967	761
1968	848
1969	876
1970	627
1971	738
1972	650
1973	269

PIMIENTO PACKS BY SIZE OF CONTAINER

(Thousands of Actual Cases—Figures Rounded)

Units per Case & Size of Cont'nr	1973	1974	1975	1976	1977	1978	1979	1980	1981	*1982
24 4 oz	22	47	109	28	18	2	21	15	12	15
24/7 oz.	22	38	55	69	26	23	39	48	36	38
24/14 oz	.....	.....	.....	7	.....	1	1	.....	.....	17
24/2½	7	17	37	41	22	16	20	35	49	67
6/10	.....	.....	36	10	50	19	31	48	15	17
24/2 oz. Glass	547	742	1,048	1,017	496	726	940	834	1,175	1,330
24/4 oz. Glass	420	675	855	1,228	390	488	758	747	1,137	1,187
24/7 oz. Glass	72	71	101	206	96	23	32	46	75	104
Misc. Tin & Gl	30	32	33	23	63	74	73	37	34	24
Total	1,118	1,621	2,274	2,630	1,159	1,371	1,916	1,811	2,534	2,798
Tot Bas 303's	269	396	613	702	407	376	530	540	608	756

*Primary States canning in 1982: California, Georgia, New York, Tennessee. 1983 report not available at press time (6/1/84).

CANNED WHITE POTATO PACKS IN THE U.S.

Compiled by Economics & Statistics Div., Nat'l. Food Processors Assn.

(Thousands of Actual Cases - April 1 of year shown to March 31 following year)

1946	591	1952	2,719	1958	3,947	1964	3,507	1970	5,890	1976	5,315
1947	883	1953	3,096	1959	3,405	1965	4,550	1971	7,067	1977	5,960
1948	1,559	1954	1,936	1960	4,010	1966	4,737	1972	4,236	1978	5,648
1949	1,471	1955	3,149	1961	4,302	1967	4,180	1973	4,895	1979	5,706
1950	1,535	1956	3,346	1962	3,440	1968	5,075	1974	6,990	1980	5,031
1951	1,268	1957	3,746	1963	3,298	1969	5,386	1975	5,850	1981	6,046

	1973	1974	1975	1976	1977	1978	1979	1980	1981	†1982
STYLE										
Whole	3,860	5,159	4,832	3,187	4,284	4,160	4,237	3,231	4,179	3,237
Sliced	850	1,484	944	1,951	1,459	1,278	1,239	1,467	1,577	1,100
Diced	185	348	75	178	217	209	230	333	289	254
CONTAINER SIZE										
24/8z	108	109	74	56	31	49	333	42	53	.....
24/300	1,114	1,470	1,035	606	696	642	884	687	796	641
24/303	2,159	3,315	3,018	3,102	3,242	3,145	2,767	2,717	3,217	1,981
6/10	1,338	1,805	1,484	1,458	1,889	1,742	1,609	1,483	1,862	1,916
Misc.	175	292	240	93	102	69	113	101	117	54
Total A/C	4,895	6,990	5,850	5,315	5,960	5,648	5,706	5,031	6,046	4,591
Total, Basis 303	5,658	8,113	6,809	6,201	7,126	6,293	6,517	5,857	7,103	5,714

Primary States canning white potatoes: Ark., Calif., Del., Ind., Me., Minn., N.C., N.Y., Pa., Tenn., Va. and Wis.
†1983 pack not available at press time this Almanac (6/1/84).

PUMPKIN & SQUASH PACKS IN THE UNITED STATES

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

1927	1,094	1939	2,292	1946	3,235	1953	2,546	1960	3,501	1967	3,234
1929	2,424	1940	2,299	1947	2,465	1954	1,786	1961	3,019	1968	3,088
1931	1,008	1941	2,494	1948	1,450	1955	3,568	1962	3,406	1969	3,636
1933	1,753	1942	1,529	1949	843	1956	4,217	1963	2,860	1970	2,857
1935	833	1943	1,452	1950	1,778	1957	2,844	1964	2,683	1971	3,149
1937	1,508	1944	2,127	1951	3,481	1958	2,997	1965	2,682	1972	2,856
1938	1,195	1945	1,325	1952	4,449	1959	3,128	1966	3,311	1973	3,272

PUMPKIN AND SQUASH PACKS BY SIZE OF CONTAINER AND AREA

(Thousands of Actual Cases—Figures Rounded)

Units per Case & Size of Cont'nr	1973	1974	1975	1976	1977	1978	1979	1980	1981	[1]1982
*24/2.303 & 300	1,329	1,350	1,496	1,670	1,005	1,101	1,320	1,286	1,280	1,377
24/2½	1,174	975	1,514	1,467	671	864	1,032	1,018	395	1,129
*6/10	765	703	1,006	762	474	446	524	406	1,396	636
Misc. Tin & Gl.	4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mid-West	2,140	1,553	2,935	2,879	1,621	1,943	2,160	2,052	2,305	2,583
Other States	1,132	1,475	1,080	1,019	529	468	717	658	765	559
Total	3,272	3,028	4,015	3,898	2,151	2,411	2,877	2,710	3,070	3,142
Tot. Bas. 303's	4,632	4,214	5,805	5,500	2,962	3,353	3,997	3,744	3,975	4,404

*2's included with 10's beginning 1981. [1] Reports discontinued in 1983 to avoid disclosure.

PUMPKIN AND SQUASH CARRYOVER—PACK—STOCKS—SHIPMENTS

(Thousands of Actual Cases—Figures Rounded—Season beginning year shown)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Carryover-7/1	480	417	233	704	1,790	1,208	638	641	436	588
Pack	3,272	3,028	4,015	3,898	2,151	2,411	2,877	2,710	3,070	3,142
Total Can. Sup.	3,752	3,444	4,249	4,603	3,941	3,619	3,514	3,351	3,506	3,730
CANNER SHIPMENTS										
7/1 to 1/1	2,993	3,056	3,474	2,707	2,655	2,842	2,848	2,834	2,854	D
1/1 to 4/1	228	64	11	1	†0	67	†-47	3	†-9	D
4/1 to 7/1	114	92	60	104	88	73	73	79	73	D
7/1 to 7/1	3,336	3,211	3,544	2,812	2,733	2,982	2,873	2,916	2,917	D
CANNER STOCKS										
January 1	759	388	775	1,895	1,286	777	667	517	652	D
April 1	531	325	764	1,894	1,296	711	714	514	661	D
July 1	417	233	704	1,790	1,208	638	641	436	588	D

† Due to shipments returned. D - Reports discontinued to avoid disclosure.

SAUERKRAUT PACKS IN THE UNITED STATES

Compiled by National Kraut Packers Association

Thousands of Cases, Tin & Glass basis 24 No. 303 Cans. Season beginning year shown.

1939	7,226	1945	10,358	1951	8,834	1957	9,673	1963	9,554	1969	10,569
1940	10,648	1946	10,103	1952	8,688	1958	9,316	1964	9,026	1970	12,088
1941	10,011	1947	5,175	1953	10,043	1959	8,229	1965	10,768	1971	11,266
1942	4,299	1948	7,938	1954	9,829	1960	9,833	1966	10,019	1972	10,008
1943	4,541	1949	9,527	1955	9,267	1961	9,923	1967	11,424	1973	10,573
1944	3,954	1950	10,857	1956	9,922	1962	9,400	1968	10,825	1974	12,209

SAUERKRAUT PACKS BY STATE AND CONTAINER SIZE

Thousands of Cases, basis 24 No. 303 Cans. Figures Rounded—Season beginning year shown*

	*1973	*1974	1975	1976	1977	1978	1979	1980	1981R	1982
Tin, East	n.c.	n.c.	3,144	2,831	3,139	3,420	3,020	2,457	2,842	2,606
Tin, Midwest	n.c.	n.c.	4,219	4,130	3,962	3,792	3,722	3,658	3,487	3,351
Tin, Other	n.c.	n.c.	1,083	922	804	887	951	817	880	992
Total Tin	n.c.	n.c.	8,446	7,883	7,905	8,099	7,693	6,932	7,209	6,949
Glass All States	n.c.	n.c.	1,413	1,526	1,514	1,410	1,324	1,242	1,478	1,468
Tot. Tin & Glass	n.c.	n.c.	9,859	9,409	9,419	9,509	9,016	8,173	8,686	8,417
Bags, 303 basis	.....	.....	1,367	1,581	1,453	1,624	1,774	1,587	1,377	1,299
Tot. all, 303 basis	.....	.....	11,226	10,990	10,872	11,133	10,790	9,760	10,063	9,716
CONTAINER SIZE (Actual Cases)										
24/8 oz.	910	1,023	733	613	690	793	591	707	504	337
24/300	290	351	188	177	188	200	210	188	221	203
24/303	2,709	3,434	2,683	2,753	2,966	2,949	2,777	2,748	2,643	2,574
24/2½	1,639	1,884	1,587	1,489	1,325	1,340	1,341	1,066	1,192	1,117
6/10	1,118	1,226	1,380	1,126	1,183	1,220	1,149	971	1,131	1,043
Misc. Tin & Gl.	2,460	2,666	[1]139	[1]155	[1]149	[1]169	[1]149	[1]151	[1]137	[1]346
12/Qt. glass	n.a.	n.a.	[2]1,346	[2]1,454	[2]1,442	1,125	1,105	1,057	1,231	1,239
12/Pt. glass	n.a.	n.a.				436	312	250	336	220
Tot. Tin & Gl.	9,126	10,585	8,056	7,767	7,943	8,232	7,633	7,138	7,395	7,079
12/2 lb. bags	[3]1,228	[3]1,161	[3]1,518	[3]1,757	[3]1,615	1,353	1,534	1,403	1,232	1,097
12/1 lb. bags						902	874	721	596	693
Tot. All	10,354	11,746	9,574	9,524	9,558	10,487	10,041	9,262	9,223	8,869

†CANNERS STOCKS (season begining year shown)

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
July 1	1,573	1,657	1,690	3,296	3,628	3,552	3,013	3,003	3,055	2,579
Nov. 1	4,560	7,333	9,762	10,844	10,142	9,735	8,848	9,276	8,751	D
Jan. 1	3,845	6,608	8,392	9,425	8,953	8,645	7,959	8,411	7,535	D
Apr. 1	2,100	3,574	5,378	6,119	5,969	5,603	5,351	5,314	4,626	D

*Packing season 8/1 thru 7/31. Not comparable to later years 9/1 thru 8/31. n.c. - Not comparable. R - Revised. EAST includes N.Y., Md., Pa. MIDWEST: Wis., Ill., Ohio, Mich., Ind. OTHER: Ore., Wash., Colo., Tenn., Mass. [1] Tin only. [2] Qts. and Pints, basis 12/qts. [3] 1 and 2 lb., basis 12/2 lb. † Converted, basis 18 cases 303's per barrel of 45 gal. Source Bureau of Census "Current Business Reports." n.a. - Not available. D - Reports discontinued July 1, 1981.

SPINACH PACKS IN THE UNITED STATES

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

Thousands of Cases, basis 24 No. 303 Cans. To convert to 2's, multiply by .822

1909	311	1933	3,878	1942	11,671	1951	9,331	1960	7,797	1969	6,577
1914	817	1934	4,395	1943	9,005	1952	7,459	1961	7,708	1970	7,270
1919	1,411	1935	5,268	1944	12,148	1953	6,597	1962	7,266	1971	7,675
1921	1,212	1936	5,149	1945	10,537	1954	4,854	1963	8,031	1972	8,255
1923	3,912	1937	7,468	1946	10,307	1955	7,326	1964	7,641	1973	8,944
1925	3,195	1938	3,529	1947	4,769	1956	7,819	1965	6,395	1974	10,834
1927	3,923	1939	4,948	1948	6,113	1957	7,740	1966	6,954	1975	8,328
1929	7,521	1940	6,076	1949	8,178	1958	6,390	1967	7,409	1976	6,304
1931	2,768	1941	6,118	1950	6,796	1959	8,701	1968	7,990	1977	7,108

SPINACH PACKS BY STATE

Thousands of Cases, basis 24 No. 303 Cans. Pack beginning March 1 of year shown.

	1972	1973	1974	1975	1976	1977	1978	1979	1980	*1981
Ark. & Okla.	2,617	2,813	3,234	2,238	1,743	2,332	2,372	1,771	†1,628	n.a.
California	4,209	3,913	4,922	3,795	2,932	2,396	1,806	2,938	†1,727	n.a.
Other States	1,429	2,217	2,678	2,294	1,629	2,380	2,037	3,411	†2,585	n.a.
Total 303's	8,255	8,944	10,834	8,328	6,304	7,108	6,214	8,121	6,314	5,458
Tot. Basis 2's	6,769	7,334	8,884	6,829	5,169	5,827	5,096	6,659	5,190	4,486
Tot. Actual Cs.	7,248	8,051	9,573	7,521	5,806	6,567	5,804	7,690	5,940	5,087

SPINACH PACKS BY SIZE OF CONTAINER

(Thousands of Actual Cases — Figures Rounded)

Units per Case & Size of Cont.	1972	1973	1974	1975	1976	1977	1978	1979	1980	*1981
24/8 oz.	784	1,033	1,131	911	756	909	831	1,195	952	(a)
48/1 Pic.	49	20	8	63	4	3	2	3	.....	(a)
24/303 & 300	4,473	4,965	5,779	4,749	3,779	4,209	3,779	5,034	3,773	3,345
24/2½	877	904	1,150	794	561	569	490	705	568	367
6/10	1,064	1,117	1,486	997	697	877	703	753	647	684
Misc. Tin & Gl.	.....	13	20	7	8	.....	.....	.....	.....	692
Total	7,248	8,051	9,573	7,521	5,806	6,567	5,804	7,690	5,940	5,087

*1982-83 Pack Mar. 1 to Oct. 1, 1982 3,038,993 basis 303's, compared with 3,363,038 cases same period year earlier. Reports discontinued thereafter to avoid disclosure. † Actual cases. (a) In misc.

TOMATO PACKS IN THE UNITED STATES

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

Thousands of Cases, basis 24 No. 303 Cans. To convert to 2's multiply by .822

1899	18,119	1918	33,076	1930	35,399	1942	50,327	1954	26,629	1966	32,662
1904	19,587	1919	22,512	1931	19,936	1943	35,708	1955	30,167	1967	39,127
1908	23,906	1920	23,674	1932	24,848	1944	31,841	1956	36,457	1968	48,422
1909	22,875	1921	8,366	1933	24,961	1945	20,444	1957	26,446	1969	32,036
1910	19,232	1922	24,028	1934	27,299	1946	29,106	1958	37,152	1970	39,017
1911	20,303	1923	30,555	1935	32,921	1947	33,805	1959	29,422	1971	38,367
1912	29,201	1924	26,071	1936	29,785	1948	29,759	1960	30,991	1972	43,301
1913	29,585	1925	41,172	1937	32,006	1949	26,275	1961	34,034	1973	45,431
1914	31,700	1926	19,690	1938	28,220	1950	25,751	1962	35,541	1974	43,784
1915	17,637	1927	27,358	1939	29,848	1951	38,759	1963	33,041	1975	53,465
1916	27,369	1928	17,782	1940	36,030	1952	34,136	1964	36,431	1976	42,805
1917	31,397	1929	29,458	1941	38,746	1953	27,248	1965	36,015	1977	54,124

TOMATO PACKS BY AREA

(Thru 1979 thousands of Cases, basis 24 No. 303 Cans. Actual cases beginning 1980.
Figures Rounded—Calendar Year)

	1974	1975	1976	1977	1978	1979	†1980	†1981	†1982	†1983
East	2,322	1,947	2,101	2,374	2,598	2,555	1,274	2,237	2,803	2,278
Midwest	2,230	3,005	3,515	3,773	4,214	4,042	2,599	2,716	3,794	4,006
South	1,073	1,954	2,146	1,492	1,506	1,519	1,044	1,156	2,229	1,590
West	38,169	46,559	35,043	46,486	40,924	44,781	33,840	32,012	36,944	36,251
Total 303's	43,794	53,465	42,805	54,124	49,241	52,896	53,096	51,937	63,089	61,561
Total Basis 2's	35,911	43,842	35,100	44,382	40,378	43,375	43,645	42,692	51,859	50,603
Total A/C	33,851	40,560	32,941	41,262	37,090	39,970	38,757	38,120	45,770	44,125

† Actual cases.

TOMATO PACKS BY SIZE OF CONTAINER

(Thousands of Actual Cases—Figures Rounded—Calendar Year)

Units per Case & Size of Cont'nr	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
24/2	41	33	20	46	40	118	.....	.....	.....	.....
24/8Z	903	987	744	1,088	786	886	687	765	500	784
48/1 Pic	186	329	332	308	140	234	200	270	668	(b)
24/300/303	16,910	19,051	16,440	19,455	17,109	18,245	14,203	14,912	17,856	15,110
24/2½	6,550	8,266	6,012	6,802	6,201	6,731	6,111	6,045	6,408	4,807
6/10	8,504	11,151	8,858	12,983	12,429	13,027	15,919	15,192	19,963	22,407
Misc. Tin & Gl.	756	743	536	580	385	730	1,637	936	375	1,018
Total	33,851	40,560	32,941	41,262	37,090	39,970	38,757	38,120	45,770	44,125

(a) No. 300's included in No. 303. (b) Included in Misc.

CANNED TOMATOES — CARRYOVER—PACK—STOCKS—SHIPMENTS

(Thousands of Actual Cases—Figures Rounded—Season beginning year shown)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Carryover 7/1	2,450	4,256	8,961	6,917	12,157	10,866	9,017	7,423	6,462	10,240
Pack, 7/1-1/1	33,171	39,203	31,439	40,375	36,167	38,491	38,019	37,410	44,351	43,044
Pack, 1/1-4/1	511	580	226	457	433	389	163	728	295	P
Pack, 4/1-7/1	1,002	923	661	466	648	349	547	691	787	P
Canner Supply	37,134	44,962	41,287	48,215	49,405	50,094	47,746	46,252	51,895	P
CANNER SHIPMENTS										
7/1 to 1/1	18,559	18,742	18,514	18,496	19,130	20,585	22,298	23,547	23,740	23,702
1/1 to 4/1	8,666	10,929	10,849	10,890	11,100	13,102	11,036	10,057	10,533	P
4/1 to 7/1	5,653	6,331	5,008	6,672	8,309	7,390	6,989	6,185	7,381	P
Tot. 7/1 to 7/1	32,877	36,001	34,370	36,058	38,539	41,077	40,322	39,790	41,655	P
CANNER STOCKS										
January 1	17,062	24,718	21,886	28,796	29,194	28,771	24,738	21,286	27,073	29,582
April 1	8,907	14,369	11,263	18,363	18,527	16,058	13,865	11,957	16,835	P
July 1	4,256	8,961	6,917	12,157	10,866	9,017	7,423	6,462	10,240	P
EXPORTS*	1,139	1,052	1,256	984	1,176	1,779	1,456	1,341	832	583
GVM'T PURCHASES*										
Armed Forces	592.3	852.5	349.1	793.7	518.2	518.4	532.6	583.8	425.3	676.5
USDA	0	345.7	590.6	1,936.0	1,581.4	2,858.3	431.0	36.4	75.6	[1]688.9
Vet. Admn.	68.7	52.9	91.8	66.3	35.0	75.5	80.1	65.8	n.a.	n.a.

† To April 1st. *Basis 1,000 cases 24/303. Season beginning year shown. Calendar year for Exports.
P - Not available at press time. [1] July 1 to March 31.

OHIO'S FINEST TOMATOES, TOMATO PRODUCTS,
AND SAUERKRAUT

HIRZEL CANNING CO. and FARMS

GROWERS AND PACKERS OF
STAR CROSS, SILVER FLEECE AND **DEI FRATELLI** BRANDS

411 Lemoyne Rd., Toledo, Ohio 43619 **Tel. 419—693-0531**

TOMATO CATSUP PACKS IN THE UNITED STATES*

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

(Thousands of Actual Cases—Figures Rounded)

1942	11,771	1948	16,897	1954	18,565	1960	33,818	1966	41,450	1972*	6,403
1943	9,382	1949	10,900	1955	22,947	1961	33,706	1967	44,256	1973*	6,518
1944	11,688	1950	14,793	1956	30,301	1962	42,018	1968*	10,509	1974*	7,739
1945	11,484	1951	24,015	1957	24,079	1963	34,705	1969*	4,950	1975*	10,083
1946	15,751	1952	19,652	1958	28,364	1964	38,775	1970*	5,377	1976*	5,313
1947	20,661	1953	19,116	1959	25,774	1965	41,130	1971*	7,490	1977*	8,065

Units per Case & Size of Cont.	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
6/10 Tin & Lgr.	7,739	10,083	5,313	8,065	6,760	6,575	5,550	4,870	5,742	6,053
†California	6,372	8,977	3,820	6,864	5,605	5,742	4,575	3,959	4,422	4,719
Other States	1,367	1,106	1,493	1,201	1,155	833	975	911	1,320	1,334

*Includes only No. 10's & larger 1968 and thereafter. Includes bulk packs converted to # 10's. See also Bureau of Census reports, next page. † Reports by Canners League of California

CHILI SAUCE PACKS IN THE UNITED STATES

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

(Thousands of Actual Cases—Figures Rounded)

1947	3,621	1952	2,848	1957	2,208	1962	2,889	1967	2,453	1972	2,511
1948	2,544	1953	2,563	1958	2,099	1963	2,145	1968	3,355	1973	2,225
1949	1,370	1954	1,979	1959	2,826	1964	2,443	1969	2,506	1974	2,099
1950	1,814	1955	2,395	1960	2,567	1965	2,646	1970	2,427	1975	2,126
1951	3,220	1956	3,292	1961	2,489	1966	2,853	1971	2,195	1976	2,442

PACK BY SIZE OF CONTAINER — ACTUAL CASES

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
12 oz. glass	1,386	1,349	1,573	1,251	1,310	1,185	1,289	1,208	1,495	1,192
6/10 tin	666	777	869	859	1,468	966	972	770	796	764
Misc.	47	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total A/C	2,099	2,126	2,442	2,111	2,778	2,151	2,261	1,978	2,292	1,956
Tot. Basis 12 oz	4,662	4,977	6,518	6,141	9,663	6,680	5,723	4,719	5,127	4,674
Tot. Basis 303's	1,620	1,730	1,955	1,776	2,834	1,977	2,038	1,680	1,826	1,665
†California	1,237	1,302	1,395	1,313	1,854	1,317	1,331	1,001	1,085	993
Other States	862	824	1,047	798	924	834	930	977	1,207	963

†Reports by Canners League of California.

For all tomato processing needs! MAGNUSTRIPPER II mechanical Tomato Peeler with simplified rotary design, capacities from 8-32 tons/hour

- ING. A. ROSSI Evaporators, Processors, and complete plant from truck dumpers thru packaging • Filper/Zacimi Filling Equipment • Filper Filled Can Palletizers.

CALL TODAY!

(800) 648-4737 TOLL FREE WITHIN USA OR (702) 329-9700

filper magnuson

475 Edison Way
P.O. Box 11427
Reno, NV 89510

TOMATO JUICE PACKS IN THE U.S.*

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

(Thousands of Actual Cases—Figures Rounded)

1931 4,584
1933 4,170
1934 5,704
1935 9,287
1936 13,105
1937 13,445
1938 8,988
1939 11,091
1940 12,414
1941 19,046
1942 20,738
1943 19,252
1944 26,487
1945 24,553
1946 30,525
1947 16,880
1948 32,701
1949 20,560
1950 22,741
1951 31,626
1952 31,417
1953 32,733
1954 23,466
1955 23,699
1956 28,017
1957 28,483
1958 32,621
1959 28,303
1960 29,937
1961 28,845
1962 36,457
1963 31,284
1964 32,397
1965 30,564
1966 29,753
1967 33,151
1968 31,359
1969 26,388
1970 27,998
1971 29,540
1972 23,741
1973 26,771

Units per Case & Size of Cont'nr	1973	1974	1975	1976	1977	1978	1979	1980	1981	[1]1982
48/5-6-8 Oz.	7,239	6,300	6,886	5,932	5,750	6,814	6,177	5,455	4,100	3,863
48/211 Cyl.	540	840	492	652	687	552	370	592	772	562
24/300 & 303 x406-500	637	608	654	547	472	310	354	(a)	(a)	(a)
24/No. 2	1,273	917	1,034	695	704	498	526	381	223	222
12/29-32-36 oz. ...	1,176	2,520	2,337	1,615	1,276	1,738	1,277	1,175	(a)	986
12/No. 3 Cyl.	14,833	15,414	15,775	15,036	12,427	15,862	15,052	12,948	7,547	11,534
6/No. 10	171	372	418	284	383	407	394	36	(a)	(a)
Misc. Tin & Gl. ...	902	1,083	7	4	13	133	161	1,159	1,433	1,293
Total	26,771	28,053	27,603	24,764	21,711	26,313	24,312	21,746	14,075	18,461
†California	16,145	16,240	17,242	14,544	14,683	13,958	13,743	13,843	9,150	11,465
Other States	10,626	11,814	10,360	10,220	7,028	12,356	10,569	7,903	4,925	6,996
Tot. Basis 303's ..	33,936	36,133	35,358	32,155	27,844	33,920	31,517	27,617	17,507	23,955

*Figures through 1967 include tomato juice cocktail. 1968 and thereafter include only tomato juice concentrate and tomato juice. † Reports by California League of Food Processors. (a) Included in Misc. [1]1983 report not available at press time of this Almanac 6/1/84.

TOMATO JUICE CARRYOVER, PACKS, STOCKS, SHIPMENTS

(Thousands of Actual Cases—Figures Rounded, Season beginning year shown)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	[1]1982
Carryover 7/1	2,205	3,834	4,556	5,322	7,096	4,714	5,101	5,210	2,590	2,661
Pack	26,771	28,053	27,603	24,764	21,711	26,313	24,312	21,746	14,075	18,461
Canner Supply ..	28,976	31,887	32,159	30,086	28,807	31,027	29,413	26,955	16,665	21,122
CANNER SHIPMENTS										
7/1 to 1/1	11,466	14,692	14,833	10,828	12,308	14,475	14,317	15,091	7,104	7,501
1/1 to 4/1	8,358	6,110	6,160	6,879	6,272	5,755	5,506	4,507	4,563	6,094
4/1 to 7/1	5,318	6,529	5,845	5,284	5,513	5,697	4,420	4,768	2,337	3,649
7/1 to 7/1	25,142	27,331	26,837	22,990	24,093	25,926	24,243	24,365	14,004	17,244
CANNER STOCKS										
January 1	17,510	17,195	17,327	19,258	16,499	16,553	15,096	11,865	9,561	13,621
April 1	9,152	11,085	11,167	12,379	10,226	10,798	9,590	7,358	4,998	7,527
July 1	3,834	4,556	5,322	7,096	4,714	5,101	5,170	2,590	2,661	3,878
EXPORTS*	592	560	903	1,293	1,147	850	684	887	899	723
GVM'T PURCHASES*										
Armed Forces ...	217.8	370.6	174.7	19.1	51.4	133.1	120.4	122.4	126.2	85.2
USDA	0	0	0	0	134.1	260.3	450.5	43.9	41.9	68.0
Vet. Admn.	33.6	37.9	27.5	30.2	26.3	39.2	26.9	26.5	25.8	n.a.

*Basis 1,000 cases 12/46 oz., Season beginning year shown. Calendar year for Exports. [1]1983 Tomato Juice report not available at press time of this Almanac 6/1/84. n.a. - Not available.

TOMATO PULP (PUREE) PACKS IN THE U.S.*

(Thousands of Cases, basis 24 No. 303's. To convert to 10's, multiply by .6158)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982P
EAST	454	420	380	585	437	373	524	†125	†284	†313
MIDWEST	421	377	454	292	275	264	257	†166	†183	†276
WEST	9,018	9,485	12,973	7,500	9,112	7,788	9,614	†4,763	†3,861	†5,560
Total 303's	9,895	10,282	13,807	8,377	9,824	8,425	10,395	[2]8,141	[2]6,900	9,788
Tot. Bas. 10's	6,108	6,347	8,560	5,171	6,064	5,201	6,401	[2]5,013	[2]4,249	6,027
Tot. Act. Cs	6,176	6,361	8,782	5,265	6,180	5,305	6,535	5,054	4,329	6,150
BY CONTAINER SIZE										
24/300/303's	257	357	499	211	341	324	395	177	231	321
24/2's	54	57	47	35	27	31	33	30	32	47
24/2½'s	2,009	2,157	2,670	1,743	1,385	1,545	2,225	1,658	1,591	1,698
6/10's**	3,485	3,648	4,778	2,846	4,148	3,103	3,452	2,904	2,156	3,730
Misc.	372	142	789	431	279	303	430	285	319	353
Tot. A/C	6,176	6,361	8,782	5,265	6,180	5,305	6,535	5,054	4,329	6,150

*California Tomato Paste pack not included. **Includes small amt. of 6/12's in Cal. † Actual cases.
[2] Revised. P - 1983 pack not available at press time (6/1/84).

TOMATO PRODUCT PACKS AND VALUES REPORTED BY BUREAU OF CENSUS

Thousands of Cases and Millions of Dollars

	1963		1967		1972		1977	
	Pack	Value	Pack	Value	Pack	Value	Pack	Value
[1]Tomato Sauces	**19,341**	**86.6**	**25,197**	**131.2**	**28,414**	**146.9**	**51,536**	**414.5**
7.1 oz to 10 oz (8z S & T etc)	8,783	46.3	11,355	63.4	12,699	73.4	9,286	81.5
Other Sizes	10,558	40.3	13,842	67.8	15,715	73.5	42,250	333.0
Catsup	**33,313**	**119.4**	**42,134**	**200.7**	**44,514**	**229.5**	**49,858**	**414.8**
14 oz. to 32 oz.	20,448	68.8	18,246	84.1	n.a.	n.a.	32,884	276.4
Other sizes (incl. indiv)	12,865	50.6	23,598	115.9	n.a.	n.a.	16,974	138.4
Chili Sauce	**2,900**	**9.4**	**2,758**	**11.8**	**3,020**	**15.4**	**5,416**	**40.7**
Barbecue Sauce	**n.a.**	**n.a.**	**4,434**	**18.2**	**8,006**	**34.6**	**3,575**	**38.5**
Tomato Paste	**10,538**	**56.8**	**13,699**	**101.1**	**14,262**	**130.3**	**25,915**	**343.9**
4.1 oz to 7 oz (6 oz. etc)	4,183	17.4	3,768	23.3	5,335	32.1	4,613	46.4
100.1 oz to 115 oz (No. 10) ...	1,939	13.2	2,304	22.7	2,061	21.8	2,537	33.3
Other (incl bulk-equiv 24%)	4,416	26.2	7,627	55.1	6,866	76.4	[2]18,765	264.2
Tom Pulp & Puree	**5,812**	**23.8**	**7,233**	**41.0**	**6,849**	**37.1**	**9,356**	**76.0**
Other Tom. Prod. n.s.k.	**436**	**1.8**	**1,225**	**4.4**	**1,663**	**9.5**	**[3]2,700**	**21.6**
TOTAL*	**72,340**	**297.9**	**96,680**	**507.7**	**106,728**	**603.3**	**148,356**	**1,350.0**

[1] Except catsup & chili sauce, pulp, puree, or paste. [2] 775 million pounds converted to thousands of cases, basis 6/10's. [3] Estimated. *Annual surveys by Bureau of Census for later years indicate following total values: 1978 - 1,416; 1979 - 1,485; 1980 - 1,652; 1981 - 1,849.4.

1984-85

DIRECTORY

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

Providing information on 1,891 companies - the ideal source book for food buyers, brokers, importers & exporters, machinery manufacturers, and suppliers to the food industry.

For Immediate Shipment Phone Today!

301—876-7150 $80.00 each

THE CFP DIRECTORY

P.O. Box 550, Westminster, Md 21157 USA

TURNIP AND OTHER LEAFY GREEN PACKS

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.
(Thousands of Actual Cases—Figures Rounded)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982P
Turnip Grns.	1,657	2,010	999	1,207	1,042	1,247	1,236	788	586	532
Mustard Grns	654	743	499	593	334	433	487	462	341	185
Other Grns.	978	945	1,030	719	824	748	952	893	876	655
Total	3,288	3,698	2,528	2,518	2,200	2,428	2,676	2,143	1,804	1,372
Tot. Basis 303's . . .	4,029	4,558	3,023	3,125	2,632	2,880	3,195	2,624	2,120	1,584
BY SIZE										
24/303 & 300	2,130	2,351	1,725	1,578	1,549	1,739	1,868	1,396	1,318	1,050
24/2½	247	247	155	160	186	162	125	100	97	79
6/10	911	1,100	648	780	465	527	683	648	389	243
BY STATE										
Ark. & Okla.	1,509	1,723	1,243	1,356	767	981	1,282	1,085	584	306
Other States	1,780	1,975	1,285	1,162	1,433	1,447	1,393	1,058	1,219	1,066

P - 1983 pack not available at press time (6/1/84).

SWEET POTATO PACKS IN THE UNITED STATES

Thousands of Cases, basis 24 No. 303 Cans. To Convert to 2's, multiply by .82

1940 . . . 1,194	1945 . . . 3,751	1950 . . . 5,190	1955 . . . 6,165	1960 . . . 6,942	1965. . . 11,101	1970. . . . 9,846
1941 . . . 2,430	1946 . . . 5,089	1951 . . . 3,964	1956 . . . 6,177	1961 . . . 8,157	1966. . . 10,024	1971. . . 10,056
1942 . . . 1,121	1947 . . . 2,055	1952 . . . 6,091	1957 . . . 6,519	1962. . . 10,876	1967. . . . 9,848	1972. . . . 9,461
1943 . . . 1,482	1948 . . . 2,215	1953 . . . 5,948	1958 . . . 8,558	1963 . . . 8,756	1968. . . 10,846	1973. . . 11,415
1944 . . . 2,050	1949 . . . 3,837	1954 . . . 4,954	1959 . . . 8,864	1964 . . . 7,865	1969. . . 12,499	1974. . . 12,767

SWEET POTATO PACKS BY SIZE OF CONTAINER AND STATE

12 Months beginning July 1 of year shown (Thousand of Actual Cases—Figures Rounded)

SIZE	1973	1974	1975	1976	1977	1978	1979	1980	1981	[1]1982
24/8 oz.	392	693	182	198	146	263	184	111	157	108
24/2 Squat.	233	70	56	7	140	164	109	(a)	(a)	76
24/303 & 300.	1,558	2,133	910	977	984	1,346	1,345	985	1,435	1,343
24/3 Squat.	1,357	1,324	822	745	628	966	867	473	800	558
24/2½	1,443	1,688	947	961	758	885	944	746	992	650
12/3 cyl.	84	206	134	98	41	41	79	30	55	91
6/10	1,552	1,416	1,190	1,421	1,267	1,672	1,697	1,134	1,375	1,624
12/40 oz	1,016	1,199	718	730	730	922	816	673	979	745
Miscellaneous	10	5	. . . . .	. . . . .	. . . . .	. . . . .	8	42	111	. . . . .
STATE										
Md., Del. & N.C.. . .	2,155	1,860	1,534	1,600	1,803	2,764	2,265	1,476	2,300	2,137
Fla.. La., Tenn.. . . .	5,041	6,081	2,844	2,576	2,140	2,545	2,865	1,785	2,576	3,058
Ark., Ca.	450	793	583	962	751	951	919	933	1,027	(a)
Total	7,647	8,734	4,961	5,138	4,694	6,260	6,048	4,195	5,903	5,195
Tot. Bas. 24/303. . . .	11,415	12,767	7,668	7,960	7,194	9,436	9,174	5,917	7,955	7,049

[1] 1983-1984 Pack 7/1/83 to 4/1/84 - 5,315 cases, Basis 303's compared with 7,041 cases same period year ago.
(a) Included in Misc. or South.

SWEET POTATO PACKS BY STYLE

(Thousands of Actual Cases—Figures Rounded)

STYLE	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Solid, Mashed	111	163	121	145	143	176	179	128	141	93
Whole, Syrup	2,304	2,511	1,427	1,262	1,304	2,000	1,697	940	1,529	1,217
*Cuts & Whole Sy	4,756	5,583	3,150	3,381	3,043	3,702	3,918	2,926	3,917	3,678
Vacuum Pack	475	477	262	350	204	381	254	201	315	207
Total	7,647	8,734	4,961	5,138	4,694	6,260	6,048	4,195	5,903	5,195

*Beginning 1979 "cuts and halves".

MISCELLANEOUS VEGETABLE PACKS

(Thousands of Actual Cases—Figures Rounded)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982P
Peas & Carrots. . .	2,613	2,852	2,825	2,193	1,931	2,018	2,337	1,887	1,556	D
Succotash.	435	445	460	175	217	144	750	814	746	D
Okra	269	440	182	183	206	232	260	218	123	165
Okra & Tom.*	264	430	231	162	260	186	144	154	135	173

P - 1983 packs not available at press time (6/1/84). *Includes pack of the product combining Okra, Corn and Tomatoes. D - Pack reports discontinued to avoid disclosure.

CANNED FRUIT PACK STATISTICS

GLASS PACK: In most of the tables showing the pack by Size of Container, all Glass pack has been included with tin of comparable size; viz., No. 2½ jar with No. 2½ tin; 16 oz. jar with 303 tin, etc.

SUMMARY OF CANNED FRUIT AND FRUIT JUICE PACKS

Compiled by Division of Statistics, National Canners Association

Thousands of Cases—Basis 24/2½—Figures Rounded

FRUITS	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Apples (b)	2,175	†1,117	†1,566	1,703	2,089	2,414	1,648	1,317	1,586	(e)
Applesauce (b) ...	16,555	†9,588	†8,911	10,671	11,562	12,742	10,636	8,819	10,875	(e)
Apricots	1,987	4,421	2,387	2,269	2,127	2,887	2,994	1,208	1,626	1,167
Berries (a)	398	440	266	123	273	203	208	406	389	(e)
RSP Cherries	1,188	1,273	438	605	582	526	545	213	471	189
Sweet Cherries ...	623	412	464	501	485	651	428	316	498	522
Cranb. Sce	4,328	3,430	3,469	3,397	3,670	3,618	3,633	3,542	3,562	(e)
Frt Cocktail (c) ...	14,907	13,677	13,605	12,979	11,704	13,815	14,826	11,383	8,722	8,223
Fruit Salad (c) ...	876	583	518	595	2,153	3,145	3,215	2,545	2,401	1,782
Grapef. Seg (b)(f) .	1,543	1,106	1,188	1,210	1,258	1,355	1,152	861	793	(D)
Mixed Fr. (c)	959	708	731	1,564	[2]	[2]	[2]	[2]	[2]	[2]
Peaches	32,431	28,984	24,810	29,217	21,413	25,840	26,765	21,763	18,608	11,421
Pears	10,692	9,776	11,518	9,614	9,026	10,568	10,928	9,700	7,789	7,214
Pineapple (b)	13,913	14,221	17,270	18,424	18,349	[3]18,545	[3]17,057	[3]16,640	(D)	(D)
Purple Plums	1,166	1,447	1,042	817	923	711	1,066	940	375	443
Total Fruits	103,741	91,183	88,183	93,689	85,614	97,020	95,100	79,653	56,902	*
FRUIT JUICES (b)										
Apple	10,811	†10,826	10,920	12,906	17,137	18,237	18,863	18,728	18,732	(e)
Grapefruit	14,924	17,817	19,105	18,202	17,371	16,307	13,082	15,230	(f)7,613	[4]4,915
Orange	9,173	9,288	9,960	10,922	12,576	12,289	11,849	9,852	(f)7,375	[4]4,631
Citrus Blend	1,189	1,911	1,093	1,342	986	1,045	736	556	(f)354	[4]310
Pineapple	5,829	6,012	7,041	8,264	7,822	[3]8,408	[3]9,391	[3]9,237	D	D
Total Juices	41,926	45,854	48,119	51,626	55,892	56,286	53,921	53,603	*	*
Total Fruits & Juices	145,667	137,037	136,302	145,325	141,506	153,306	149,021	133,256	*	*

(a) Includes Blackberries, Blueberries, Boysenberries, Loganberries, Youngberries, Gooseberries, Raspberries, Strawberries, Plums not purple, Rhubarb. (b) Pack beginning year shown. (c) California. (D) Reports discontinued to avoid disclosure. (e) Pack not yet compiled. (f) Florida. *Not complete. n.a. - Not available. † Not comparable to prior years. See notes on Pack Reports. [1]To April 1. [2]Includes or combined with fruits for salad. [3]Calendar year. [4]Florida only to May 5, 1984.

U.S. PACKS OF APPLES

Thousands of Cases — Pack Beginning Year Shown

Year	Cases
Actual Cases	
1923	2,126
1925	3,467
1927	2,939
1929	2,593
1931	2,067
1933	2,554
1934	2,584
1935	2,332
1936	2,620
1937	2,672
1938	1,751
1939	2,841
1940	2,250
1941	4,348
1942	4,165
1943	1,878
1944	3,356
1945	1,192
Basis 6/10's	
1946	3,266
1947	2,242
1948	1,687
1949	4,213
1950	5,265
1951	3,388
1952	2,560
1953	2,942
1954	4,709
1955	3,587
1956	3,917
1957	3,668
1958	3,639
1959	4,034
1960	3,326
1961	3,986
1962	4,036
1963	4,062
1964	3,928
1965	4,409
1966	3,483
1967	3,676
1968	3,604
1969	3,128
1970	2,271
1971	2,564
1972	2,350
1973	3,528

PACKS OF APPLES BY STATES

Thousands of cases - Basis 6/10's per case — Pack Beginning Sept. 1 of Year Shown

	1973	1974	*1975	*1976	*1977	*1978	*1979	*1980	*1981	*1982
East[1]	2,225	1,569	623	836	961	1,084	1,274	895	892	1,196
Wash.,Ore.,Ida....	708	446	376	549	493	322	549	586	276	227
Other States	595	349	213	317	397	513	393	311	264	301
Total U.S.	3,528	2,365	1,213	1,702	1,851	1,919	2,216	1,791	1,431	1,724

*Aug. 1 to Aug. 1. Not comparable to prior years, and represents approximately 80% of industry total.
[1]Includes Md., Pa., Va., W. Va., N.Y.

U.S. PACK OF APPLE SAUCE

Thousands of Actual Cases, Figures Rounded. Thru 1974 Pack Beginning Sept. 1 of Year Shown. Starting in 1975 Pack Year Begins August 1.

1929	904	1938	1,527	1945	1,984	1952	9,397	1959	17,904	1966	20,166
1931	1,010	1939	3,057	1946	8,840	1953	11,732	1960	18,266	1967	24,452
1933	1,730	1940	2,635	1947	6,084	1954	16,017	1961	18,768	1968	25,263
1934	1,892	1941	4,182	1948	4,852	1955	14,078	1962	20,991	1969	28,266
1935	1,887	1942	4,590	1949	8,974	1956	16,115	1963	21,475	1970	24,291
1936	2,353	1943	2,226	1950	13,321	1957	14,636	1964	25,095	1971	26,399
1937	3,161	1944	4,302	1951	9,456	1958	16,599	1965	25,836	1972	20,767

PACK OF APPLE SAUCE BY STATE AND SIZE OF CONTAINER

	1973	1974	*1975	*1976	*1977	*1978	1979	1980	1981	1982
East	16,007	18,728	8,688	8,306	10,701	12,145	12,654	10,691	8,870	12,423
West	4,831	3,895	3,643	3,446	3,343	3,356	4,903	4,009	3,437	2,664
Other States	4,475	5,771	3,788	3,604	4,104	4,062	4,458	3,913	3,028	4,223
Tot. U.S.	25,313	28,393	16,118	15,355	18,148	19,564	22,015	18,613	15,335	19,311
24/8 oz	1,273	1,726	222	235	323	280	689	95	79	29
24/300-303	7,840	7,891	6,033	5,338	4,636	5,217	6,195	4,876	3,987	3,653
24/15 oz	1,645	1,866	755	766	881	1,011	956	1,410	768	810
12/25 oz. (a)	4,000	4,641	2,188	2,122	3,056	3,478	3,919	3,606	3,139	4,987
12/35 oz	2,901	3,710	1,476	1,557	2,109	2,076	2,067	1,316	1,480	1,658
6/50 oz	2,274	3,279	2,370	2,778	3,457	3,382	3,959	4,022	3,136	4,723
6/10	4,552	4,246	2,751	2,349	3,166	3,958	3,915	3,115	2,505	3,197
Misc. Tin & Gl. (b)	827	1,035	324	210	519	162	316	173	240	254

(a) Includes 25 oz. glass and 3 cyl. tin. (b) Includes 24/2½. *Not comparable to prior years. Based on 1972 Census of Mfgrs. this represents approximately 69% of industry total.

APPLESAUCE PACK—SUPPLY—STOCK—SHIPMENTS

Thousands of Actual Cases—Figures Rounded—Season beginning year shown

	1974	*1975	*1976	*1977	*1978	1979	1980	1981	1982	1983
Carryover 9/1†	4,118	7,103	6,123	4,253	4,351	3,660	5,533	5,274	5,107	5,920
PACKS										
Beg. Season-Nov 1	10,869	9,222	8,070	9,197	8,066	7,844	8,151	7,080	6,883	5,470
Nov. 1-Jan 1	10,798	4,277	4,676	5,534	7,447	8,087	5,286	4,925	7,302	6,815
Jan 1-April 1	5,615	2,026	2,087	2,729	3,494	4,940	3,838	2,535	4,043	P
Apr 1-End Seas	1,111	593	522	688	557	1,143	1,338	794	P	P
TOT. PACK	28,393	16,118	15,355	18,148	19,564	22,015	18,613	15,335	P	P
Canner Supply	32,511	23,221	21,478	22,401	23,915	25,675	24,146	20,609	P	P
CANNER SHIPMENTS										
Beg. Seas.-Nov. 1	4,109	4,885	4,927	4,350	4,249	4,161	4,732	3,311	3,759	4,368
Nov 1-Jan 1	3,769	1,800	1,900	3,280	5,060	3,698	2,910	2,304	3,056	3,735
Jan 1-Apr 1	7,596	5,122	5,232	4,592	5,147	6,092	5,815	4,770	5,385	P
Apr 1-End Seas	n.a.	5,291	5,166	5,828	5,799	6,190	5,415	5,117	P	P
Total Shipments	n.a.	17,098	17,225	18,050	20,255	20,142	18,872	15,501	P	P
CANNER STOCKS										
Nov. 1	10,878	11,440	9,265	9,100	8,168	7,343	8,952	9,043	8,231	7,022
Jan. 1	17,906	13,917	12,041	11,354	10,555	11,732	11,328	11,664	12,477	10,101
Apr. 1	15,925	10,821	8,896	9,491	8,903	10,580	9,350	9,430	11,135	P
June 1	12,675	8,201	6,957	7,001	6,353	8,293	7,690	7,612	P	P
Aug. 1	7,103	6,123	4,253	4,351	3,660	5,533	5,274	5,107	P	P
EXPORTS-Not Separately Classified										
GOVMT. PURCHASES[1]										
Armed Forces	207.3	54.8	98.4	102.5	142.1	152.8	158.8	96.9	149.9	65.5
USDA	1,153.5	2,453.9	0	1,460.8	2,475.5	2,167.4	2,172.7	1,618.9	2,011.0	[3]1,475.3
Vet Adm	31.2	38.1	35.2	23.9	39.6	53.3	46.1	[2]46.1	n.a.	n.a.

*Not comparable to earlier years due to change in sample size and carryover date. Based on 1972 Census of Manufacturers this represents 69% of industry total. † Aug. 1 beginning 1975. n.a. - Not available. P - Not available at press time. [1] Basis 24/303. [2] Estimated Requirements. [3] July 1 to Mar. 31.

U.S. PACKS OF APPLE JUICE

Compiled by Economics & Statistics Div., Nat'l. Food Processors Assn.

Thousands of Actual Cases. Figures Rounded. Pack Beginning Sept. 1 Year Shown thru 1974. Beginning 1975 Pack Year Begins Aug. 1.

1939	393	1945	1,316	1951	3,174	1957	4,653	1963	8,558	1969	13,503
1940	506	1946	3,524	1952	3,199	1958	5,346	1964	9,784	1970	14,472
1941	1,726	1947	1,181	1953	3,081	1959	6,769	1965	9,670	1971	14,148
1942	1,645	1948	1,181	1954	4,220	1960	6,289	1966	8,953	1972	14,277
1943	1,740	1949	2,770	1955	3,508	1961	6,974	1967	9,029	1973	15,623
1944	2,851	1950	3,470	1956	4,266	1962	7,483	1968	9,641	1974	16,399

PACK OF APPLE JUICE BY AREA AND SIZE OF CONTAINER

	1973	1974	*1975	*1976	*1977	*1978	*1979	*1980	1981	1982
East	10,100	10,933	8,473	8,738	11,044	13,941	13,589	13,921	13,195	15,392
Midwest	1,527	1,819	2,564	2,386	2,257	4,905	2,783	2,861	3,223	4,635
West	3,996	3,647	4,889	5,429	6,528	7,515	11,707	12,623	13,214	10,204
Total U.S.	15,623	16,399	15,926	16,553	19,828	26,361	28,079	29,405	29,632	30,232
48/5 to 6 oz. Tin	1,777	1,819	1,491	1,915	2,235	3,285	2,638	2,641	2,909	4,097
12/3 Cyl-46 oz T.	3,629	3,193	3,037	2,491	2,662	3,624	3,348	2,910	2,169	2,684
24/12 oz. glass	76	41	56	450	676	867	1,019	1,246	1,304	(a)
12/32 oz. glass	6,264	6,231	4,266	3,787	4,863	5,425	5,826	4,713	3,778	4,113
12/40 oz. glass	828	929	989	810	854	1,138	836	764	618	514
6/64 oz. glass	2,272	2,714	3,545	4,520	5,841	8,502	10,440	12,517	13,971	14,084
4/1 gallon jug	600	960	1,609	1,730	1,629	2,003	2,479	2,113	2,389	2,586
Misc. tin & gi.	176	511	933	850	1,068	1,516	1,493	2,501	2,495	2,153
Tot Basis 24/2	14,793	15,433	15,264	15,412	18,218	24,146	25,751	26,446	26,275	26,694
Tot Basis 24/2½	10,265	10,811	10,826	10,920	12,906	17,137	18,237	18,863	18,728	18,732

*Based on 1972 census of manufacturers, represents 81% of industry total. (a) In Misc. East: Md., Mass., N.H., N.Y., Pa., Va., W. Va. Midwest: Mich., Mo., Ohio, Wis. West: Cai., Col., Ore., Wash.

Processing Times • Temperatures • Procedures

Just a part of the hundreds of topics
Covered in
A COMPLETE COURSE IN CANNING

Over 1,050 Pages 11th Edition-$75.00 Tel. 301-467-3338

THE CANNING TRADE, INC.
2619 Maryland Ave. • Baltimore, MD 21218 USA

U.S. PACKS OF APRICOTS

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.
California Pack Compiled by California League of Food Processors
Thousands of Actual Cases, Figures Rounded

1923	*1,562	1932	1,895	1941	4,538	1950	4,473	1959	6,818	1968	*6,594
1924	*2,050	1933	2,666	1942	3,449	1951	5,696	1960	8,006	1969	*7,851
1925	*2,197	1934	2,165	1943	1,256	1952	5,101	1961	6,213	1970	*4,979
1926	3,394	1935	3,476	1944	8,030	1953	6,443	1962	5,242	1971	*4,604
1927	*3,117	1936	3,135	1945	4,238	1954	3,731	1963	5,369	1972	*4,273
1928	*2,097	1937	5,967	1946	10,802	1955	7,831	1964	6,935	1973	*5,634
1929	4,267	1938	1,795	1947	3,342	1956	5,558	1965	6,769	1974	*2,793
1930	*2,069	1939	3,756	1948	5,316	1957	5,603	1966	*6,958	1975	*6,145
1931	2,116	1940	2,343	1949	2,881	1958	2,554	1967	*5,884	1976	*3,377

*California only.

CALIFORNIA PACK OF APRICOTS BY SIZE OF CONTAINER

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
24/2½	472	1,384	576	342	404	568	636	189	238	108
24/8 oz.	312	853	565	726	450	646	438	171	259	200
24/303 & 300	1,207	2,233	1,087	1,498	1,125	1,637	1,545	602	1,106	794
6/10	782	1,628	1,069	926	1,005	1,267	1,442	648	731	516
Misc.	19	46	81	13	34	53	38	54	11	74
Total a/c	2,793	6,145	3,377	3,505	3,019	4,170	4,097	1,663	2,345	1,692
Tot. Bas.2½'s	1,978	4,421	2,387	2,269	2,127	2,887	2,994	1,208	1,626	1,167

APRICOTS—CARRYOVER—PACK—STOCKS—SHIPMENTS

(Thousands of Actual Cases—Figures Rounded, Season beginning year shown)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Carryover 6/1	667	334	2,094	1,141	711	419	1,056	1,527	381	316
Pack	2,793	6,145	3,377	3,505	3,019	4,170	4,097	1,663	2,345	1,692
Canner Supply	3,460	6,478	5,472	4,646	3,730	4,590	5,153	3,190	2,726	2,008
CANNER SHIPMENTS[1]										
6/1 - 12/1 (6/1 - 1/1)	2,362	2,675	2,647	2,509	2,008	2,004	2,087	1,637	1,375	1,227
12/1 - 3/1 (1/1 - 4/1)	478	1,076	1,137	894	723	714	763	607	558	335
3/1 - 6/1 (4/1 - 6/1)	287	633	545	532	580	816	777	565	477	P
Total Shipments	3,126	4,384	4,330	3,936	3,311	3,534	3,626	2,809	2,410	P
CANNER STOCKS[1]										
Dec. 1 (Jan. 1)	1,098	3,803	2,824	2,137	1,722	2,585	3,066	1,553	1,351	781
Mar. 1 (April 1)	620	2,728	1,687	1,243	999	1,872	2,304	946	793	445
June 1	334	2,094	1,141	711	419	1,056	1,527	381	316	P
EXPORTS*	54	29	60	52	109	89	51	59.1	54.5	37.6
GOV. PURCHASES*										
Armed Forces	11.0	65.9	32.5	41.4	43.8	57.8	62.6	20.8	38.6	5.7
U.S.D.A.	0	93.1	226.7	115.4	.....	419.0	312.8	.....	16.0	.....
Vet. Adm.	20.4	32.2	16.4	26.2	22.7	26.3	15.1	[e]15.4	n.a.	n.a.

*Basis 1,000 cases 24/2½, calendar year for exports.

[e]Estimate. P - Not available at press time.

[1] Dates in parentheses ( ) apply to years prior to 1978.

U.S. PACKS OF BLACKBERRIES

Compiled by Nat'l Food Processors Assn. & Northwest Food Processors

Thousands of Actual Cases, Figures Rounded

1923	(a) 500	1932	(a) 306	1941	811	1950	357	1959	537	1968	310
1924	1,007	1933	417	1942	592	1951	458	1960	296	1969	299
1925	660	1934	746	1943	310	1952	586	1961	292	1970	239
1926	907	1935	487	1944	397	1953	509	1962	386	1971	256
1927	(b) 713	1936	597	1945	211	1954	418	1963	352	1972	180
1928	(b) 756	1937	493	1946	409	1955	423	1964	313	1973	43
1929	844	1938	534	1947	359	1956	453	1965	404	1974	289
1930	(a) 568	1939	394	1948	528	1957	501	1966	381	1975	88
1931	748	1940	440	1949	700	1958	599	1967	[illegible]	1976	91

(a) West only. (b) Not complete.

PACK OF BLACKBERRIES BY STATE AND SIZE OF CONTAINER

	1973	1974	1975	1976	1977	1978	1979	1980	1981	*1982
Northwest	n.a.	173	55	37	44	n.a.	n.a.	n.a.	n.a.	65
Other States	43	115	33	54	19	n.a.	n.a.	n.a.	n.a.	15
Total U.S.	43	289	88	91	63	89	14	28	63	80
24/8Z	.....	8	.....	.....	.....	.....	.....	.....	.....	.....
24/300 & 303	34	227	45	43	16	80	13	25	57	76
6/10	9	47	39	43	2	8	3	3	6	4
Misc.	.....	7	5	5	44	1	.....	.....	.....	.....

U.S. PACKS OF BLUEBERRIES†

Compiled by Nat'l Food Processors Assn. & Northwest Food Processors

Thousands of Actual Cases, Figures Rounded

1924	94	1933	236	1942	349	1951	1.155	1960	505	1969	383
1925	175	1934	196	1943	438	1952	739	1961	553	1970	201
1926	225	1935	191	1944	114	1953	758	1962	571	1971	330
1927	278	1936	252	1945	210	1954	897	1963	440	1972	289
1928	194	1937	442	1946	425	1955	684	1964	431	1973	441
1929	213	1938	249	1947	403	1956	467	1965	258	1974	392
1930	436	1939	251	1948	621	1957	730	1966	570	1975	290
1931	297	1940	322	1949	917	1958	561	1967	639	1976	267
1932	146	1941	587	1950	760	1959	566	1968	297	1977	118

BLUEBERRY PACKS BY STATE AND SIZE OF CONTAINER

	1973	1974	1975	1976	1977	1978	1979	1980	1981	*1982
Maine	254	182	97	103	81	114	98	32	n.a.	260
Other States	188	210	192	165	37	161	52	93	n.a.	101
Total U.S.	441	392	290	267	118	275	150	126	424	361
24/300 & 303	318	318	151	222	91	207	120	107	179	122
6/10	123	60	32	45	28	68	30	19	245	239
Misc. Tin & gl.	.....	14	106	.....	.....	.....	.....	.....	.....	.....

†Includes Huckleberries. n.a.-Not available.

U.S. PACKS OF CRANBERRY SAUCE

Calendar Year. Thousands of Actual Cases, Figures Rounded

1934	694	1941	2,593	1948	2,397	1955	6,496	1962	6,988	1969	7,388
1935	918	1942	2,534	1949	3,400	1956	6,665	1963	7,193	1970	8,058
1936	1,109	1943	1,672	1950	4,684	1957	6,475	1964	6,609	1971	7,218
1937	1,690	1944	1,546	1951	5,120	1958	6,773	1965	7,019	1972	7,356
1938	1,302	1945	2,786	1952	4,695	1959	7,629	1966	7,560	1973	8,657
1939	1,928	1946	6,312	1953	5,954	1960	4,774	1967	7,539	1974	8,242
1940	1,993	1947	4,007	1954	6,046	1961	7,223	1968	7,877	1975	6,631

CRANBERRY SAUCE PACKS BY SIZE OF CONTAINER

	1973	1974	1975	1976	1977	1978	1979	1980	1981	*1982
24/6½ - 8 oz	1,010	662	533	776	863	875	700	715	670	805
24/15 - 16 oz	6,243	6,772	5,571	5,407	5,185	6,125	5,973	5,814	5,626	5,672
6/10	885	781	527	608	635	409	474	494	513	467
Misc. tin & gl.	518	27	.....	.....	.....	.....	.....	.....	.....	.....
U.S. Total	8,657	8,242	6,631	6,792	6,684	7,408	7,146	7,023	6,809	6,944

*1983 Packs not available at press time (6/1/84).

U.S. PACKS OF RED PITTED CHERRIES*

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

All figures refer to thousands of Actual Cases, all size containers.

Year	Cases	Year	Cases	Year	Cases	Year	Cases	Year	Cases	Year	Cases
1929	1,124	1938	1,695	1945	1,326	1952	3,892	1959	4,128	1966	1,258
1931	1,498	1939	3,155	1946	3,086	1953	3,849	1960	2,219	1967	1,077
1933	1,725	1940	3,423	1947	2,397	1954	3,086	1961	3,139	1968	1,600
1934	1,855	1941	2,064	1948	3,552	1955	4,902	1962	4,224	1969	2,112
1935	2,563	1942	3,062	1949	3,445	1956	2,749	1963	1,314	1970	1,392
1936	1,450	1943	562	1950	5,023	1957	3,604	1964	4,812	1971	1,477
1937	2,472	1944	3,072	1951	4,672	1958	2,746	1965	3,166	1972	1,631
										1973	765

PACK OF RP CHERRIES BY AREA AND SIZE OF CONTAINER

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
East	114	108	62	32	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Midwest	1,399	1,425	410	673	672	629	635	277	546	232
West	79	106	78	67	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total U.S.	1,592	1,639	550	772	735	718	707	315	642	299
24/303 & 300	795	680	193	322	274	385	301	218	336	243
6/10	788	915	357	357	440	333	407	97	306	56
Misc.	10	44	.....	94	21	.....	.....	.....	.....	.....

*Does not include pie filling. n.a. - In total.

U.S. PACKS OF SWEET CHERRIES

All figures refer to thousands of Actual Cases, all size containers

Year	Cases	Year	Cases	Year	Cases	Year	Cases	Year	Cases	Year	Cases
1923	(a)990	1932	(a)522	1941	934	1950	1,146	1959	1,104	1968	898
1924	(a) 596	1933	(a) 860	1942	1,022	1951	1,421	1960	1,094	1969	1,622
1925	(a) 609	1934	526	1943	912	1952	2,100	1961	1,847	1970	1,065
1926	1,236	1935	535	1944	932	1953	1,755	1962	1,839	1971	861
1927	568	1936	570	1945	1,415	1954	1,683	1963	876	1972	621
1928	914	1937	519	1946	2,082	1955	2,318	1964	1,678	1973	796
1929	1,017	1938	730	1947	680	1956	1,216	1965	1,241	1974	983
1930	(a)1,202	1939	1,073	1948	1,067	1957	1,684	1966	1,025	1975	648
1931	406	1940	630	1949	2,311	1958	1,659	1967	1,314	1976	717

(a) West only.

PACK OF SWEET CHERRIES BY AREA AND SIZE OF CONTAINER

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Northwest	797	463	587	620	578	751	439	336	566	594
Other States[1]	186	185	130	154	188	222	176	125	150	210
Total U.S.	983	648	717	774	766	973	615	461	716	804
Total Bas. 2½'s	623	412	464	501	485	651	428	316	498	522
24/2½	37	16	17	28	14	21	21	11	19	18
24/8 oz.	65	47	51	46	74	30	17	5	20	11
24/303*	695	443	473	528	498	649	368	301	423	596
6/10	186	140	172	172	177	270	205	135	249	174
Misc.	.....	1	4	.....	3	2	4	9	4	5

[1] Michigan and New York thru 1980; Michigan only thereafter. *Includes 24/300's and 24/1 Tall.

CALIFORNIA PACK OF FRUIT COCKTAIL

Compiled by the California League of Food Processors

Thousands of Actual Cases, Figures Rounded

1934	1,168	1941	4,989	1948	11,219	1955	14,886	1962	20,821	1969	26,039
1935	1,650	1942	5,484	1949	6,995	1956	17,485	1963	19,147	1970	19,481
1936	2,157	1943	5,653	1950	8,570	1957	16,690	1964	24,750	1971	20,562
1937	3,152	1944	6,302	1951	10,743	1958	16,762	1965	22,410	1972	17,738
1938	1,942	1945	6,112	1952	10,971	1959	18,730	1966	24,839	1973	20,030
1939	3,563	1946	7,832	1953	12,137	1960	19,936	1967	21,335	1974	22,211
1940	4,189	1947	9,082	1054	13,461	1961	20,949	1968	26,170	1975	20,236

FRUIT COCKTAIL PACKS BY SIZE OF CONTAINER

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
24/2½*	4,492	3,986	3,574	3,959	3,346	4,015	4,385	3,302	2,274	2,299
24/8 oz.	2,602	2,113	2,248	2,640	2,262	2,327	2,006	1,452	1,421	1,017
24/300 & 303	11,898	10,973	10,903	10,365	8,962	10,258	10,445	9,690	6,921	6,388
6/10	3,219	3,165	3,510	2,637	2,858	3,622	4,327	2,378	2,302	2,180
Total	22,211	20,236	20,234	19,601	17,428	20,222	21,163	16,822	12,918	11,884
Tot. Basis 2½'s	14,907	13,677	13,605	12,979	11,704	13,815	14,826	11,383	8,722	8,223

CALIFORNIA PACKS OF FRUITS FOR SALAD AND MIXED FRUITS

Thousands of Actual Cases, Figures Rounded

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
24/8 oz.	305	170	183	204	166	171	143	53	59	*
24/300 & 303	600	354	454	1,057	1,630	2,935	2,146	1,571	2,004	926
24/2½*	559	288	353	[2]262	472	447	521	521	250	253
6/10	921	818	635	[2]1,362	796	1,061	1,554	1,210	1,078	603
Tot actual cases	2,384	1,630	1,626	2,885	3,063	4,613	4,364	3,355	3,391	1,782
Tot basis 24/2½	1,836	1,291	1,249	2,160	2,153	3,145	3,215	2,545	2,401	1,335

*To avoid disclosure, packs in sizes not shown have been converted to 2½'s and included with that size.

[2] No. 2½ salad pack converted to 10's and included with that size.

FLORIDA PACK OF GRAPEFRUIT SEGMENTS

Compiled by Florida Citrus Processors Association

Thousands of Actual Cases, Figures Rounded—Pack year beginning Oct. 1 of year shown.

1925	88	1937	3,655	1945	2,272	1953	5,070	1961	4,621	1969	3,906
1927	455	1938	4,229	1946	5,586	1954	6,081	1962	3,110	1970	3,841
1929	1,175	1939	4,073	1947	3,426	1955	5,483	1963	3,589	1971	3,113
1931	1,599	1940	3,153	1948	4,464	1956	5,001	1964	4,290	1972	2,952
1933	2,398	1941	4,410	1949	3,414	1957	4,650	1965	4,603	1973	3,349
1934	3,748	1942	897	1950	4,751	1958	5,072	1966	5,448	1974	2,436
1935	2,411	1943	985	1951	3,819	1959	4,375	1967	4,011	1975	1,710
1936	4,279	1944	485	1952	4,407	1960	4,766	1968	3,983	1976	1,873

*1925-1961 are U.S. Total figures.

PACK OF GRAPEFRUIT BY SIZE OF CONTAINER

	1973	1974	1975	1976	1977	1978	1979	1980	1981	*1982
24/8 oz.	284	174	82	157	163	158	83[1]	42[1]	63[1]	(a)
24/303	2,623	1,888	1,323	1,387	1,422	1,442	1,543	1,282	1,042	1,053
12/3 Cyl	442	374	305	326	324	368	407	387	283	234
Misc.	.....	.....	.....	2	3	.....	.....	.....	.....	.....
Total	3,349	2,436	1,710	1,873	1,912	1,969	2,033	1,711	1,388	1,287

*Reports discontinued 1983-84 season. Only 2 firms packing. [1] Basis 48/8 oz. (a) 48/8 oz. included in 303's.

U.S. PACKS BLENDED GRAPEFRUIT & ORANGE JUICE

Thousands of Actual Cases, Figures Rounded — Pack beginning year shown.

1935	81	1941	2,043	1947	10,568	1953	5,577	1959	3,766	1965	2,384
1936	266	1942	3,108	1948	9,457	1954	4,353	1960	2,644	1966	3,053
1937	526	1943	5,563	1949	6,492	1955	4,580	1961	3,288	1967	1,809
1938	676	1944	7,016	1950	8,269	1956	4,492	1962	2,635	1968	2,141
1939	1,301	1945	11,800	1951	5,615	1957	4,140	1963	2,135	1969	1,984
1940	2,285	1946	9,076	1952	5,263	1958	3,624	1964	2,084	1970	2,046
										1971	1,626

PACK BY STATE AND SIZE OF CONTAINER

	1973	1974	1975	1976	1977	1978	1979	1980	1981	†1982
Florida	1,410	1,179	1,339	1,032	1,323	997	1,042	781	579	514
Texas	116	94	904	71	69	63	65	37	43	P
Calif. & Ariz.	47	90	119	159	165	77	172	42	51	P
Total U.S.	1,573	1,363	2,363	1,262	1,557	1,138	1,279	860	673	P
48/5-8 oz.	20	18	367	33	60	32	142	25	22	P
24/2	40	15	45	18	15	.....	.....	.....	.....	P
12/3 Cyl.	1,509	1,330	1,937	1,210	1,481	1,096	1,127	835	611	P
Misc.	4	.....	13	1	1	10	10	.....	40	P

†1983-84 Pack to 5/5/84 Florida only, basis 24/2's, 449,612 cases, compared with 556,302 cases to 5/7/83 reported by the Florida Citrus Processors Association.

U.S. PACKS OF GRAPEFRUIT JUICE

Thousands of Actual Cases, Figures Rounded — Pack beginning year shown.

1929	116	1938	9,199	1945	22,483	1952	10,515	1959	9,862	1966	18,377
1931	287	1939	9,657	1946	15,173	1953	14,638	1960	9,566	1967	14,063
1933	740	1940	14,071	1947	14,869	1954	11,041	1961	9,811	1968	17,207
1934	2,556	1941	11,051	1948	12,803	1955	12,814	1962	8,380	1969	20,080
1935	2,236	1942	20,061	1949	10,795	1956	13,535	1963	5,662	1970	23,854
1936	6,016	1943	22,637	1950	16,298	1957	9,335	1964	9,741	1971	24,891
1937	8,022	1944	19,261	1951	8,469	1958	9,938	1965	12,215	1972	25,987

PACK OF GRAPEFRUIT JUICE BY STATE AND SIZE OF CONTAINER

	1973	1974	1975	1976	1977	1978	1979	1980	1981	†1982
Florida	18,773	15,071	17,430	17,444	16,394	15,963	16,178	13,921	14,698	11,048
Texas	5,370	2,570	3,744	5,464	4,591	3,364	3,703	2,222	2,688	P
Calif. & Ariz.	2,437	2,517	3,370	3,012	4,519	5,124	4,342	3,160	3,998	P
Total U.S.	26,579	20,158	24,544	25,921	25,505	24,451	24,223	19,303	21,383	P
48/5-8 oz.	7,359	5,952	7,332	2,511	8,998	8,854	8,823	6,972	6,857	P
24/211 Cyl.	244	388	351	305	704	619	1,544	1,218	421	P
24/2	931	637	772	637	354	73	38	36	24	P
12/3 Cyl.	17,964	13,023	15,786	16,428	14,880	14,108	13,420	10,928	14,033	P
Misc.	81	157	303	6,038	568	797	398	149	47	P

†1983-84 Florida pack to 5/5/84, basis 24/2's, 7,132,009 cases compared with 8,400,783 to 5/7/83 reported by Florida Citrus Processors Association.

U.S. PACKS OF ORANGE JUICE

Thousands of Actual Cases, Figures Rounded—Pack beginning year shown.

1939	3,578	1945	19,397	1951	19,126	1957	18,562	1963	10,639	1969	17,082
1940	4,012	1946	17,135	1952	17,822	1958	15,868	1964	13,496	1970	16,966
1941	4,406	1947	23,993	1953	17,491	1959	18,022	1965	14,145	1971	15,927
1942	2,703	1948	18,039	1954	18,771	1960	13,169	1966	17,629	1972	17,506
1943	7,372	1949	17,667	1955	17,953	1961	16,146	1967	12,551	1973	14,615
1944	14,229	1950	20,871	1956	20,059	1962	13,367	1968	15,691	1974	13,011

PACK OF ORANGE JUICE BY STATE AND SIZE OF CONTAINER

	1973	1974	1975	1976	1977	1978	1979	1980	1981	†1982
Florida[1]	11,833	10,359	10,320	10,385	11,720	13,484	14,503	13,887	12,421	10,702
Texas[1]	1,668	1,440	1,216	2,533	2,593	2,408	2,657	2,505	1,675	P
Calif. & Ariz.[2]	1,115	1,212	1,726	1,269	1,852	3,012	2,463	2,754	1,860	P
Total U.S.	14,615	13,011	13,262	14,187	16,166	18,905	19,622	19,146	15,956	P
24/4 oz.	1,843	.....	.....	.....	.....	.....	.....	.....	.....	P
48/5-8 oz.	4,651	4,817	5,153	5,243	7,197	8,849	8,735	8,725	7,204	P
24/211 Cyl.	53	210	81	316	338	377	1,731	1,994	1,794	P
24/2	566	545	640	471	363	64	58	54	23	P
12/3 Cyl.	7,411	7,103	7,025	7,697	7,850	8,635	8,823	8,110	6,785	P
Misc. tin & gl.	90	336	363	462	419	980	276	263	151	P

†1983-84 Florida pack to 5/5/84, bases 24/2's, 6,721,459 cases, compared with 6,770,905 cases to 5/7/83 reported by the Florida Citrus Processors Association. [1]Oct.-Sept. [2]Jan.-Dec. P - Not available at press time (6/1/84).

U.S. PACKS OF PEACHES†

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.
California figures compiled by California League of Food Processors and the Cling Peach Advisory Board.

Thousands of Actual Cases, Figures Rounded

1923	7,466	1932	6,633	1941	14,778	1950	18,576	1959	35,225	1968	45,822
1924	6,331	1933	10,576	1942	16,726	1951	25,826	1960	36,016	1969	45,700
1925	10,755	1934	8,936	1943	11,450	1952	22,727	1961	36,537	1970	34,290
1926	14,482	1935	11,747	1944	14,036	1953	25,557	1962	38,846	1971	31,514
1927	11,836	1936	11,183	1945	14,675	1954	22,118	1963	38,113	1972	29,321
1928	14,975	1937	13,880	1946	20,755	1955	27,357	1964	43,951	1973	29,943
1929	8,724	1938	10,400	1947	19,496	1956	34,092	1965	34,457	1974	39,695
1930	13,803	1939	12,116	1948	18,644	1957	29,776	1966	42,950	1975	34,980
1931	8,752	1940	11,464	1949	21,443	1958	29,808	1967	32,041	1976	30,465

†Spiced Peaches listed separately with Miscellaneous Fruits.

PACK OF PEACHES BY STATE AND SIZE OF CONTAINER

	1974	1975	1976	1977	1978	1979	1980	1981	1982	†1983
California										
Cling	35,361	30,964	27,933	33,791	24,883	30,391	30,624	26,033	22,652	14,357
Free	3,830	2,591	1,883	1 901	1,571	1,990	1,832	1,033	915	943
Other States, Free	503	1,424	649	229	333	304	288	314	14	21
Tot. U.S. a/c	39,695	34,980	30,465	35,921	26,786	32,685	32,744	27,351	23,581	15,321
Tot. Basis 2½	32,431	28,984	24,810	29,217	21,413	25,840	26,765	21,763	18,608	11,421
24/8Z	2,986	2,533	2,415	2,567	2,059	2,551	1,598	1,489	1,327	(a)
24/303*	10,243	8,254	7,904	9,478	7,169	9,778	9,334	9,148	8,010	6,428
24/2½	17,915	16,784	14,109	15,859	11,386	12,188	12,618	9,819	7,645	3,620
6/10	8,535	7,406	6,037	7,608	6,028	7,950	9,128	6,487	6,548	4,182
Misc. tin & gl	15	3	.....	409	143	219	66	408	51	1,090

† Unaudited Cling pack. *Includes 300 and No. 1 Tall. (a) In Miscellaneous.

CANNED PEACHES—CARRYOVER—PACK—STOCKS—SHIPMENTS

Thousands of Actual Cases — Figures Rounded. Season beginning year shown

	1974	1975	1976	1977	1978	1979	1980	1981	1982	*1983
Carryover 6/1	2,167	7,076	9,499	7,474	8,496	4,773	6,951	9,359	10,484	7,255
Pack	39,695	34,980	30,465	35,921	26,786	32,685	32,744	27,351	23,581	15,300
Canner Supply	41,862	42,056	39,964	43,395	35,283	37,458	39,695	36,710	34,066	22,555
CANNER SHIPMENTS[1]										
6/1-12/1 (6/1-1/1)	23,319	19,017	19,215	20,873	18,847	17,051	16,231	12,607	13,927	12,509
12/1-3/1 (1/1-4/1)	6,899	8,288	9,036	8,638	6,923	6,500	6,366	6,488	6,699	P
3/1-6/1 (4/1-6/1)	4,567	5,251	4,239	5,388	5,220	6,956	7,739	7,131	6,175	P
Total Ship	34,785	32,556	32,490	34,899	30,510	30,506	30,336	26,226	26,801	P
CANNER STOCKS[1]										
Dec. 1 (Jan. 1)	18,542	23,039	20,749	22,522	16,436	20,407	23,464	24,103	20,139	10,046
Mar. 1 (April 1)	[illegible],644	14,751	11,713	13,885	9,993	13,907	17,098	17,616	13,440	P
June 1	7,076	9,499	7,474	8,496	4,773	6,951	9,359	10,484	7,265	P
EXPORTS**	2,186	2,007	2,311	2,655	4,180	2,622	2,818	2,599	1,822	1,285
GOVMT. PURCHASES**										
ARMED Forces	361.8	283.4	77.8	179.4	96.2	251.5	271.1	148.6	142.5	138.2
USDA	833.2	840.4	1,576.8	2,155.3	683.8	850.2	1,196.0	1,881.9	1,482.7	[2]759.0
Vet Admin	51.1	30.0	36.9	35.8	47.4	51.5	38.4	40.0	n.a.	n.a.

*California only. **Basis 1,000 cases 24/2½. Calendar year for Exports. [1] Dates in parentheses ( ) apply to years prior to 1978. [2] July 1, 1983 to March 31, 1984. n.a. - Not available. P - Not available at press time.

U.S. PACKS OF PEARS

Compiled by Economics & Statistics Div., Nat'l. Food Processors Assn.; beginning in 1981 by the Northwest Food Processors Assn. and the California League of Food Processors.

Thousands of Actual Cases, Figures Rounded

1923	*1,837	1932	3,672	1941	7,166	1950	8,139	1959	12,679	1968	14,320
1924	*2,205	1933	4,997	1942	6,423	1951	9,003	1960	11,483	1969	14,736
1925	4,108	1934	6,163	1943	4,648	1952	8,187	1961	12,098	1970	11,680
1926	*3,418	1935	4,944	1944	4,802	1953	7,923	1962	12,684	1971	14,154
1927	3,061	1936	6,365	1945	4,625	1954	10,717	1963	7,572	1972	12,299
1928	*4,315	1937	5,411	1946	5,547	1955	11,516	1964	15,287	1973	13,641
1929	4,981	1938	5,198	1947	5,986	1956	12,086	1965	8,509	1974	14,937
1930	4,594	1939	5,102	1948	4,744	1957	11,725	1966	15,264	1975	13,152
1931	3,922	1940	6,028	1949	6,924	1958	10,566	1967	8,142	1976	15,541

*West only.

PACK OF PEARS BY STATE AND SIZE OF CONTAINER

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Northwest	9,268	7,861	9,346	8,973	8,208	9,956	9,798	9,200	8,080	9,752
California	5,670	5,291	6,194	4,539	4,088	4,380	4,676	3,812	2,339	
Total U.S.	14,937	13,152	15,541	13,511	12,297	14,336	14,474	13,012	10,419	9,752
Tot. Bas. 2½	10,692	9,776	11,518	9,614	9,026	10,568	10,928	9,700	7,789	7,214
24/8Z	1,826	1,251	1,500	1,778	1,143	1,462	1,064	925	826	693
24/303*	6,272	5,058	6,022	5,498	5,087	5,482	5,515	5,352	4,016	4,120
24/2½	3,847	3,176	3,557	2,940	2,837	2,892	2,689	2,342	1,639	1,688
6/10	2,992	3,668	4,462	3,295	3,230	4,501	5,206	4,393	3,938	3,232
Miscellaneous	.....	.....	.....	.....	.....	.....	.....	.....	.....	19

*Includes 300 and No. 1 Tall.

Keep Pace with Changing Times

Read

Food Production / Management

The magazine for Canned, Glassed and Frozen Food Processors

All the front page industry news needed to keep well informed plus Market and Price Information—condensed for quick, easy reading. Also featuring Technical, Production and Management Articles.

Published Monthly

Annual Subscription $20.00—Subscribe Today!

Phone: (301) 467-3338

Food Production / Management

KEEPING THE INDUSTRY INFORMED SINCE 1878

2619 Maryland Ave. • Baltimore, Md. 21218 USA

Also Publishers of "A Complete Course in Canning"–11th edition, $75.00

U.S PACKS OF PURPLE PLUMS

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn. & Northwest Food Processors Assn.

Thousands of Actual Cases, Figures Rounded

1934	1,035	1941	1,948	1948	937	1955	1,930	1962	2,402	1969	2,651
1935	1,695	1942	1,085	1949	1,806	1956	2,540	1963	1,380	1970	977
1936	1,818	1943	1,760	1950	1,018	1957	1,200	1964	1,794	1971	1,442
1937	1,617	1944	1,117	1951	2,603	1958	1,531	1965	1,996	1972	461
1938	704	1945	1,647	1952	1,735	1959	1,974	1966	1,730	1973	1,564
1939	2,213	1946	3,576	1953	1,467	1960	456	1967	2,163	1974	1,488
1940	1,161	1947	1,851	1954	1,835	1961	1,959	1968	871	1975	1,697

PURPLE PLUM PACKS BY STATE & SIZE OF CONTAINER

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Northwest	1,055	874	743	607	309	444	826	707	333	228
Michigan	420	766	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Other States	14	56	499	425	819	452	480	451	146	321
Total U.S.	1,488	1,697	1,243	1,032	1,128	896	1,305	1,157	479	549
Tot Basis 24/2½'s	1,166	1,447	1,042	817	923	711	1,066	940	375	443
24/8Z	99	38	44	55	26	34	26	27	(a)	(a)
24/303*	518	392	272	359	346	311	414	358	178	184
24/2½	501	582	272	350	287	213	354	232	82	90
6/10	371	686	654	268	469	338	511	540	204	268
Miscellaneous	.....	.....	.....	.....	.....	.....	.....	.....	15	6

*Includes 300 and No. 1 Tall. (a) Included in Other States or Miscellaneous.

HAWAIIAN*PACKS OF CANNED PINEAPPLE

Thousands of Actual Cases, Figures Rounded—Pack Beginning Year Shown

1923	5,896	1932	5,064	1941	10,458	1950	14,377	1959	20,303	1968	24,571
1924	6,826	1933	8,582	1942	11,176	1951	16,300	1960	21,764	1969	24,830
1925	8,729	1934	8,939	1943	11,127	1952	19,803	1961	21,750	1970	26,325
1926	8,940	1935	10,637	1944	10,164	1953	18,195	1962	21,871	1971	25,563
1927	8,879	1936	10,796	1945	9,051	1954	19,018	1963	21,459	1972	23,634
1928	8,663	1937	11,353	1946	10,237	1955	20,759	1964	19,761	1973	22,024
1929	9,210	1938	9,708	1947	11,400	1956	20,664	1965	20,664	1974	20,355
1930	12,672	1939	11,370	1948	13,697	1957	19,368	1966	23,978	1975	21,962
1931	12,808	1940	9,309	1949	13,488	1958	20,312	1967	23,584	1976	25,382

*Source: Pineapple Growers Assn. of Hawaii and the Nat'l Food Processors Assn. Beginning 1949, Report covers both Hawaiian and foreign operations of P.G.A.H. members. June 1 through May 31 through 1978-79, calendar year thereafter.

PACKS OF PINEAPPLE BY SIZE OF CONTAINER AND STYLE

	1972	1973	1974	1975	1976	1977	1978	*1979	*1980	*1981D
48/1 Flat	1,803	1,776	2,328	2,809	3,005	3,559	3,220	3,329	2,880	3,333
24/211 Cyl.	1,875	1,842	552	538	713	628	639	399	437	384
24/1½	(b)2,633	(b)3,087	(b)3,023	3,535	3,545	3,877	3,786	4,141	4,034	4,268
24/2	9,143	9,326	9,341	10,543	13,211	13,578	12,781	12,291	11,334	10,897
24/2½	1,430	1,214	989	550	740	672	707	761	629	497
6/10	4,512	3,416	3,351	3,113	3,382	3,651	4,571	5,173	4,693	4,335
Misc.	(b)2,238	(b)1,362	770	875	787	1,050	743	606	673	534
Tot. Actual Cases	23,634	22,024	20,355	21,962	25,382	27,056	26,447	26,700	24,678	24,247
Total Bs 24/2's	23,983	21,722	20,174	21,535	25,041	26,715	26,605	26,877	24,752	24,148
Total Bs 24/2½'s	16,540	14,981	13,913	14,852	17,270	18,424	18,349	18,545	17,057	16,640
AREA AND STYLE - actual cases										
Hawaii only	15,891	14,042	11,584	12,125	12,160	12,482	11,142	n.a.	n.a.	n.a.
Foreign Oper. PGAH memb.	7,743	7,982	8,771	9,837	13,222	14,574	15,305	n.a.	n.a.	n.a.
Slices	9,919	9,089	8,608	8,756	9,959	10,169	10,213	9,499	9,731	9,204
Tidbits	2,858	2,721	1,938	2,003	1,979	2,255	2,360	2,837	2,504	2,369
Chunks, spears pieces	4,897	4,376	4,348	4,917	6,001	6,747	6,401	6,654	5,879	6,092
Cubes or Diced	272	156	122	122	125	182	193	171	147	146
Crushed	5,688	5,682	5,339	6,164	7,318	7,703	7,280	7,540	6,417	6,435

*Calendar year. (b) Small quantity of 1½ and 1¼ included in Misc. n.a. - Not available. D - Reports discontinued following 1981 packs.

PACKS OF CANNED PINEAPPLE JUICE

Thousands of Actual Cases, Figures Rounded—Pack Beginning Year Shown June 1 through May 31

1935	4,087	1941	8,563	1947	8,890	1953	14,654	1959	12,016	1965	13,973
1936	6,811	1942	8,830	1948	10,043	1954	14,292	1960	13,309	1966	13,515
1937	7,162	1943	8,298	1949	10,405	1955	14,560	1961	13,792	1967	13,675
1938	8,871	1944	7,957	1950	11,699	1956	15,240	1962	13,845	1968	12,524
1939	8,556	1945	8,671	1951	10,797	1957	11,418	1963	13,449	1969	13,677
1940	10,808	1946	8,207	1952	15,139	1958	13,625	1964	12,669	1970	12,496
										1971	12,381

PACKS BY SIZE OF CONTAINER

	1972	1973	1974	1975	1976	1977	1978	*1979	*1980	*1981D
48/6 oz	904	812	1,194	1,407	1,844	2,394	2,251	2,491	2,597	2,641
24/8 oz.	189	347	(a)	(a)	(a)	(a)	.....	.....	.....	.....
24/211 Cyl	771	927	176	288	188	369	231	264	308	167
24/2	495	660	(a)	395	310	315	390	342	373	357
12/3 Cyl	8,080	7,204	5,487	5,430	6,571	7,551	7,149	7,691	8,573	8,482
6/10	365	252	(a)	199	153	179	167	173	322	266
Misc.	.....	.....	621	126	105	128	118	152	156	172
Tot Actual Cs	10,804	10,202	7,478	7,846	9,172	10,936	10,305	11,112	12,329	12,085
Tot Basis 24/2's	12,328	11,350	8,448	8,713	10,205	11,977	11,336	12,186	13,628	13,404
Concentrated (equiv 6/10's)	1,080	1,540	899	911	1,167	1,319	1,368	1,543	1,279	1,091
Hawaii only, ss a/c	9,282	8,470	5,643	6,301	7,295	8,403	7,386	n.a.	n.a.	n.a.
Hawaii only conc. equiv 6/10's)	634	886	439	564	356	294	290	n.a.	n.a.	n.a.

*Calendar year. (a) Included in Misc. D - Reports discontinued following 1981 packs.

PER CAPITA CONSUMPTION OF CANNED FISHERY PRODUCTS†

(POUNDS)

National Marine Fisheries Service, National Oceanic and Atmospheric Admin., U.S. Dept. of Commerce

	1974	1975	1976	1977	*1978	*1979	*1980	*1981	*1982	*1983
Salmon	.3	.3	.3	.5	.6	.5	.5	.5	.5	.5
Sardines	.4	.2	.3	.3	.3	.3	.3	.4	.3	.2
Tuna	3.1	2.9	2.8	2.8	3.3	3.2	2.9	3.1	2.7	3.0
Shellfish	.5	.5	.4	.6	.5	.5	.5	.5	.4	.5
Other	.4	.4	.4	.4	.3	.3	.3	.3	.4	.4
Total	4.7	4.3	4.2	4.6	5.0	4.8	4.5	4.8	4.3	4.6

*Preliminary. † Data thru 1980 revised to reflect results of the 1980 census.

U.S. PACKS OF CANNED FISHERY PRODUCTS

Source: Resource Statistics Division, National Marine Fisheries Service,
National Oceanic and Atmospheric Administration, U.S. Department of Commerce

Thousands of Pounds—Figures Rounded

1933	518,996	1943	620,880	1953	792,194	1963	1,035,909	1973	1,647,357
1934	681,304	1944	658,660	1954	862,523	1964	1,095,566	1974	1,554,006
1935	647,642	1945	646,386	1955	843,696	1965	1,121,629	1975	1,382,428
1936	769,573	1946	699,378	1956	977,763	1966	1,187,547	1976	1,565,157
1937	717,270	1947	754,129	1957	987,602	1967	1,189,392	1977	†1,421,295
1938	649,413	1948	782,208	1958	1,094,602	1968	1,267,025	1978	†1,597,329
1939	688,270	1949	855,015	1959	969,135	1969	1,168,281	1979	†1,439,080
1940	681,194	1950	967,115	1960	1,083,418	1970	1,345,891	1980	†1,516,097
1941	885,962	1951	800,509	1961	1,042,740	1971	1,328,816	1981	†1,487,014
1942	666,342	1952	809,495	1962	1,133,710	1972	1,596,830	1982	†1,294,306
								1983	1,350,968

† Revised

PACK AND VALUE OF CANNED FISHERY PRODUCTS BY STATE*

Thousands of Standard Cases and Dollars—Figures Rounded

State and No. of Plants (1977)-1982		1976	**1977	**1978	**1979	**1980	1981	1982	1983
Maine (18)-14	Pack	1,903	2,047	1,955	2,170	1,854	2,592	1,752	P
	Value	42,424	55,181	59,584	70,581	64,310	86,072	66,433	P
Mass. (2)-1	Pack	903	1,131	865	1,049	1,043	[8]	[8]	P
	Value	9,351	31,207	22,487	22,916	24,554	.....	.....	P
Conn.-1		.....	.....	.....	.....	.....	.....	[8]	P
N.Y. (5)-4	Pack	307	166	138	108	149	145	99	P
	Value	7,596	5,548	4,789	4,776	6,046	6,277	4,663	P
N.J. (12)-14	Pack	1,373	1,517	1,355	1,387	1,388	1,478	1,727	P
	Value	34,071	40,295	38,109	40,843	41,697	43,122	48,377	P
Del. (2)-2	Pack	759	[1]	240	[1]	[1]	1,532	1,938	P
	Value	12,642		5,952			35,032	42,491	P
Pa. (3)-2	Pack	[2]	225	[2]	[6]	[6]	[2]	[2]	P
	Value	.....	5,222	.....	.....	.....	.....	.....	P
Md. (1)	Pack	759	272	n.a.	.....	.....	.....	.....	P
	Value	27,004	6,798	n.a.	.....	.....	.....	.....	P
Va. (3)-3	Pack	94	[3]	148	271	295	101	133	P
	Value	805		1,091	5,754	5,127	1,354	1,816	P
N.C. (3)-3	Pack	24	42	137	113	208	145	31	P
	Value	1,182	2,079	7,112	5,653	9,650	7,389	2,628	P
S.C. (2)-2	Pack	90	124	[4]	[4]	[4]	[4]	100	P
	Value	2,853	5,551	.....	.....	.....	.....	4,445	P
Fla. (2)-2		[5]	[5]	[4]	[4]	[4]	[9]	[10]	P
La. (12)-9	Pack	2,456	1,984	1,371	814	1,498	957	658	P
	Value	42,570	44,036	28,802	26,833	48,970	31,580	24,870	P
Miss. (7)-5	Pack	3,343	3,474	3,886	3,526	3,122	2,741	3,188	P
	Value	26,650	29,394	28,946	27,159	28,910	26,226	32,776	P
Ill. (1)		[7]	[7]	[7]	.....	.....	.....	.....	P
Mich. (2)-2	Pack	590	236	214	97	5	67	203	P
	Value	3,213	11,778	5,306	4,104	352	745	2,638	P
Ohio (0)-1		.....	.....	.....	.....	.....	[7]	[7]	P
Wis. (3)-1		.....	.....	[7]	[7]	[7]	[7]	[7]	P
Kansas -1		[7]	.....	.....	.....	.....	.....	[7]	P
Neb.		.....	.....	[7]	.....	.....	.....	.....	P
Calif. (17)-10	Pack	19,139	16,467	20,027	17,502	20,841	18,840	15,399	P
	Value	475,595	475,361	614,792	536,504	620,489	599,424	429,390	P
Ore. (11)-6	Pack	1,342	1,120	1,198	1,172	2	39	36	P
	Value	38,258	32,442	31,290	29,678	308	1,155	1,461	P
Wash. (43)-28	Pack	1,082	904	489	487	195	452	373	P
	Value	33,816	38,704	14,740	16,658	12,267	27,011	17,073	P
Alaska (62)-70	Pack	3,748	3,875	3,795	3,816	4,681	5,190	2,910	P
	Value	214,169	218,046	244,268	286,986	401,377	437,589	212,118	P
P.R. (5)5, Hawaii(1)1	Pack	16,145	16,844	22,586	19,628	18,292	19,729	17,805	P
& Am.Samoa(2)2	Value	447,010	541,510	776,856	668,893	663,599	709,947	607,965	P
Total (218)-192	Pack	54,997	51,433	58,403	52,047	53,575	54,008	46,292	48,388
	Value	1,418,514	1,543,152	1,884,124	1,743,331	1,927,656	2,007,923	1,499,144	1,534,968
Total Fish &	Pack	34,920	33,233	41,323	37,003	37,086	39,628	31,931	34,274
Fish Spec	Value	1,109,970	1,192,372	1,569,260	1,443,133	1,596,285	1,702,956	1,199,357	1,226,009
Total Shellfish	Pack	6,313	7,519	5,847	5,049	5,923	5,864	5,877	5,833
& Spec	Value	121,768	180,625	149,905	149,882	185,663	170,505	167,739	169,748
Total - Human	Pack	41,233	40,752	47,169	42,052	43,016	45,491	37,808	40,107
Consumption	Value	1,220,559	1,373,037	1,719,165	1,593,015	1,781,948	1,872,861	1,367,096	1,395,757
Total - Animal	Pack	13,764	10,681	11,234	9,995	10,559	8,516	8,484	8,281
Food & Bait	Value	197,955	170,155	164,959	150,316	145,708	134,562	132,048	139,211
TOTAL NO. PLANTS		218	219	182	163	168	194	192	n.a.

FACTORS USED TO CONVERT STANDARD CASES TO POUNDS (1943 to present): Salmon 48 lbs.; Sardines (Me.) 23.4 lbs. (20.3 lbs. 1942-1957); Shrimp (wetpack) 6.75 lbs. (15 lbs. 1948-1964); Tuna (solid) 21 lbs. (45 lbs. 1944-1951); (chunk) 19.5 lbs/(18 lbs. 1942-1951), Flake 18 lbs.; Clams (whole or minced) 15 lbs.; Clam Juice, Chowder, etc. 30 lbs.; Crabmeat 19.5 lbs. (33 lbs. 1941-1947-; Mackerel 45 lbs.; Oysters 7 lbs. (14 lbs. 1948-1969).

*Including animal food and bait. [1]Included in Mass. [2]In Del. [3]In Md. [4]In N.C. [5]In S.C. [6]In Va. [7]In Mich. [8]In Maine. [9]East Coast of Florida in N.C. and West Coast of Fla. in Miss. [10]East Coast of Fla. in S.C. and West Coast of Fla. in Miss. P-Not available at press time. **Revised.

U.S. TOTAL CANNED SALMON PACKS

Thousands of Standard Cases, Basis 48 1-lb. Cans—Figures Rounded

1927	5,077	1935	6,028	1943	5,704	1951	4,646	1959	2,466	1967	2,072
1928	6,927	1936	8,965	1944	5,139	1952	4,464	1960	2,912	1968	3,448
1929	6,991	1937	7,555	1945	4,908	1953	3,912	1961	3,697	1969	2,551
1930	6,086	1938	7,280	1946	4,510	1954	4,163	1962	3,837	1970	3,822
1931	6,740	1939	5,992	1947	5,641	1955	3,289	1963	3,295	1971	3,509
1932	5,909	1940	5,605	1948	4,825	1956	3,505	1964	3,759	1972	1,935
1933	6,362	1941	7,832	1949	5,525	1957	3,207	1965	3,634	1973	1,495
1934	8,383	1942	5,835	1950	4,310	1958	3,732	1966	4,358	1974	1,829

TOTAL CANNED SALMON PACKS BY AREA

Thousands of Standard Cases and Dollars — Figures Rounded

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Pacific Coast States										
Pack	486	171	141	232	14	51	35	167	72	P
Value	38,145	14,990	14,573	20,874	1,293	5,386	5,149	17,336	8,454	P
Alaska										
Pack	1,343	1,455	2,517	2,595	3,082	3,049	4,132	4,445	2,435	P
Value	98,860	100,302	190,745	188,762	220,367	253,068	370,557	405,322	190,559	P
Total Salmon										
Pack	1,829	1,627	2,659	2,827	3,096	3,100	4,167	4,611	2,507	3,642
Value	137,005	115,292	205,318	209,636	221,660	258,454	375,706	422,658	199,013	325,498

CANNED SALMON PACK BY VARIETY BY AREA

Thousands of Standard Cases — Figures Rounded

	1974	1975	1976	**1977	**1978	**1979	**1980	1981	1982	1983
CHINOOK or KING										
Alaska	16	8	13	9	15	10	8	8	3	P
Washington	13	2	8	5	[1]	3	1	13	(a)	P
Oregon*	21	7	3	1	2	(a)	(a)	(a)	(a)	P
Total	50	17	23	15	17	14	9	21	3	9
CHUM or KETA										
Alaska	320	271	331	460	321	140	433	620	193	P
Washington	53	5	9	11	3	(a)	(a)	[2]	1	P
Oregon*	37	.....	.....	.....	.....	.....	.....	.....	.....	P
Total	410	276	339	471	324	141	433	620	194	265
PINK										
Alaska	515	557	1,211	1,342	1,824	1,812	2,257	2,510	1,838	P
Washington	9	64	8	127	4	35	10	122	18	P
Oregon*	4	.....	.....	†	.....	.....	.....	†	.....	P
Total	528	621	1,219	1,469	1,828	1,847	2,267	2,632	1,856	1,931
RED or SOCKEYE										
Alaska	433	571	935	762	895	1,045	1,388	1,270	364	P
Washington	204	79	89	71	4	11	14	22	48	P
Oregon*	26	.....	.....	.....	.....	.....	.....	.....	.....	P
Total	663	650	1,024	833	899	1,056	1,402	1,292	412	1,396
SILVER or COHO										
Alaska	59	49	27	22	27	42	46	37	37	P
Washington	66	12	22	18	1	2	10	8	5	P
Oregon*	53	2	3	(a)	1	†	†	(a)	(a)	P
Total	178	63	53	40	28	44	56	46	42	41
TOTAL ALL VARIETIES										
Alaska	1,343	1,455	2,517	2,595	3,082	3,049	4,132	4,445	2,435	P
Washington	345	162	136	231	11	51	35	166	72	P
Oregon*	141	9	6	2	2	(a)	(a)	1	(a)	P
Grand Total	1,829	1,627	2,659	2,827	3,095	3,100	4,167	4,611	2,507	3,642
NUMBER OF PLANTS PACKING SALMON										
Alaska	49	50	50	50	42	42	50	60	60	P
Washington	21	19	22	21	14	13	15	18	18	P
Oregon	12	9	6	6	6	4	3	4	4	P
California	2	2	1	1	1	1	.....	.....	.....	P
Total Plants	84	80	79	78	63	60	68	82	82	P

*Includes small California pack Oregon Coho figures include small amount of steelheads. [1]Included in Chum. [2]Included with CHINOOK OR KING. n.a.-Not available. (a) Less than 500 cases. †Included with Wash. P - Notavailable at press time. **Revised 12/27/82.

U. S. PACKS OF CANNED TUNA AND TUNA LIKE FISHES

Thousands of Standard Cases — Basis 48 No. ½
Solid Pack 7 oz., Chunks 6½ oz., Flakes or Grated 6 oz.

1927	1,256	1935	2,511	1943	2,696	1951	8,237	1959	14,389	1967	19,993
1928	1,216	1936	2,681	1944	3,560	1952	9,121	1960	15,320	1968	20,226
1929	1,504	1937	3,145	1945	4,532	1953	9,580	1961	15,927	1969	20,350
1930	2,011	1938	2,754	1946	4,784	1954	10,889	1962	17,050	1970	22,203
1931	1,217	1939	3,643	1947	5,894	1955	9,938	1963	16,627	1971	22,490
1932	1,206	1940	4,188	1948	7,038	1956	11,834	1964	17,714	1972	31,547
1933	1,443	1941	2,932	1949	7,290	1957	11,903	1965	18,143	1973	32,640
1934	1,967	1942	2,485	1950	9,017	1958	14,205	1966	20,183	1974	33,758

Thousands of Standard Cases and Dollars

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
TUNA										
Pack	33,364	26,802	30,304	27,660	35,635	31,403	30,509	31,754	27,087	28,382
Value	823,893	652,635	853,463	906,614	†1,273	†1,104	†1,144	†1,180	†918	†821
TUNA LIKE FISHES										
Pack	394	661	163	473	180	76	224	272	83	P
Value	5,726	10,067	2,941	10,635	†3.7	†1.6	†5.5	†6.4	†2.1	P
TOTAL TUNA and TUNA LIKE FISHES										
Pack	33,758	27,462	30,468	28,134	35,816	31,478	30,733	32,026	27,170	P
Value	829,619	662,702	856,404	917,249	†1,278	†1,106	†1,149	†1,187	†921	P

† Millions. P - Not available at press time.

TUNA PACKS BY KIND—AREA—STYLE—CAN SIZE

Thousands of Standard Cases

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
ALBACORE*										
Cont'l. U.S.[1]	[2]3,345	2,399	2,489	1,909	1,554	1,291	1,275	1,532	954	P
Hawaii & U.S. Terr.[1]	4,817	2,615	3,477	4,312	5,566	4,514	4,231	4,294	5,066	P
Tot Albacore	8,162	5,014	5,966	6,221	7,120	5,805	5,506	5,826	6,020	5,105
LIGHTMEAT*										
Cont'l. U.S.[1]	[2]12,848	10,627	13,433	10,696	14,092	12,615	13,013	11,702	9,427	P
Hawaii & U.S. Terr.[1]	12,353	11,161	10,906	10,743	14,423	12,982	11,990	14,226	11,639	P
Tot. Lightmeat	25,202	21,788	24,339	21,439	28,515	25,598	25,003	25,928	21,067	23,277
STYLE*										
Solid	8,139	5,230	6,253	6,279	7,269	5,835	5,134	5,440	7,023	5,270
Flakes & Grated	1,640	716	751	523	665	578	377	264	157	171
Chunks	23,584	20,856	23,301	20,858	27,701	24,990	24,998	26,050	19,908	22,941
BONITO										
Total (Calif.)	394	661	163	473	n.a.	[3]76	[3]224	272	83	P
CAN SIZE Thous. (A/C)										
12/4 lb.	3,936	401	836	1,042	1,065	881	n.a.	n.a.	n.a.	n.a.
48/1 lb.	2,088	1,699	2,122	1,671	1,154	4,638	n.a.	n.a.	n.a.	n.a.
48/½ lb.	22,973	19,383	20,950	18,762	24,484	21,753	n.a.	n.a.	n.a.	n.a.
48/¼ lb.	2,176	2,108	1,707	1,646	2,359	2,421	n.a.	n.a.	n.a.	n.a.
24/9¼ oz.	1,532	312	155	604	441	1,333	n.a.	n.a.	n.a.	n.a.
Other (conv. to Std.)	475	2,115	2,677	25	2,192	1,315	n.a.	n.a.	n.a.	n.a.
Total	33,180	26,019	28,446	26,928	31,696	32,341	n.a.	n.a.	n.a.	n.a.
NUMBER OF PLANTS PACKING TUNA										
California	8	8	10	7	7	7	5	5	6	P
Oregon	8	8	5	5	5	3	1	2	2	P
Washington	5	6	8	5	3	3	5	4	2	P
Puerto Rico	5	5	5	5	5	5	5	5	5	P
Other†	4	4	4	4	3	3	3	3	3	P
Total Plants	30	31	32	26	23	21	19	19	18	P

[1] Atlantic & Gulf Coast data included with Hawaii and U.S. Territories thru 1974. [2] Wash. & Ore. solid pack and flakes & grated light meat included in Albacore. [3] Includes Yellowtail. n.a. - Not available. *Excludes Bonito. P - Not available at press time. † Hawaii and U.S. Territories.

U.S. PACKS OF MISC. CANNED FISHERY PRODUCTS

Thousands of Standard Cases and Dollars

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Maine Sardines (basis 100/¼ oil, 3¾ oz.)										
Pack	1,074	1,111	1,067	1,004	1,127	1,298	847	1,631	769	560
Value	21,745	24,917	24,478	27,205	35,641	44,818	31,554	54,890	28,304	21,850
Plants	16	15	16	16	15	14	14	14	12	P
Shrimp (basis 24/4½ oz. drained wt.)										
Pack	3,277	1,838	2,966	3,700	2,400	1,647	2,265	1,828	1,176	1,354
Value	44,370	27,650	48,815	73,203	49,695	53,713	80,265	58,922	45,008	54,474
Plants	31	26	23	22	21	18	18	19	18	P
Oysters (basis 24/4⅔ oz. drained wt.)										
Pack	283	343	166	147	86	64	[1]	63	116	138
Value	3,266	4,065	2,548	2,687	1,337	1,023	[1]	1,187	2,222	2,314
Plants	14	12	10	9	5	3	[1]	4	4	P
Clams & Clam Products (basis 48/1 pic.)										
Pack	3,386	2,984	2,406	2,832	2,623	2,784	2,946	3,223	3,839	3,869
Value	43,106	41,773	39,298	64,521	60,190	61,116	66,350	72,448	85,224	80,629
Plants	19	17	19	19	21	19	19	19	23	P
Fish Roe, Caviar-Edible (basis 48/16 oz.)										
Pack	22	30	17	18	21	17	14	7	9	8
Value	3,893	3,892	3,515	6,038	4,139	4,424	3,832	1,469	1,673	1,646
Plants	14	11	10	8	11	10	8	6	5	P
Animal Food* (basis 48/16 oz.)										
Pack	12,297	12,150	13,752	10,672	11,227	9,988	10,548	8,498	8,478	8,274
Value	174,614	147,826	195,839	165,686	162,380	146,828	143,959	132,110	130,009	135,804
Plants	41	40	41	35	30	26	24	23	27	P
Crab Meat (basis 48/6½ oz.)										
Pack	223	168	182	237	184	152	201	176	124	113
Value	13,564	10,078	13,331	19,617	19,368	17,796	19,285	18,560	12,723	11,102
Plants	19	n.a.	n.a.	n.a.	n.a.	12	11	12	12	P
Other Misc. Edible Fish and Shellfish										
Value	30,710	29,239	37,933	52,841	50,140	46,248	55,953	61,692	71,929	63,337

*Includes only the pack containing 10 pounds or more of raw fish per std. case. [1] Less than 3 plants packing. Data included with other. P - Not available at press time.

MAYONNAISE & SALAD DRESSING PACKS AND VALUES

As Reported by Bureau of Census - Millions of Gallons and Dollars

	1963		1967		1972		1977*	
	Pack	Value	Pack	Value	Pack	Value	Pack	Value
Spoon-type								
Salad dressing	62.7	81.6	69.4	86.6	81.4	123.9	99.5	336.7
Mayonnaise	66.3	121.5	79.0	146.7	94.9	208.5	[1]141.0	490.6
Other	11.4	25.6	15.1	33.4	33.2	76.0	[2]25.7	93.5
Pourable								
French	10.4	22.8	10.8	22.9	14.8	40.9	[1]26.9	115.5
Oil & Vinegar	4.5	15.4	6.0	21.3	10.1	34.0	19.6	88.9
Other Pourable	5.0	12.9	10.7	34.2	25.0	81.2	32.2	154.3
Other, NSK[3]	.....	.....	.....	.....	.....	11.5	.....	12.8
Total[3]	160.3	279.8	191.0	345.1	259.4	576.0	344.9	*1,292.3

[1] 10 to 19% estimated. [2] 20 to 29% estimated. [3] Some additional dressing products included in Pickled Fr & Veg etc. NSK. *1981 Value - 1,930.5. Source: 1981 Annual Survey of Manufacturers.

PACKS OF CANNED MEAT PRODUCTS

Source: Livestock Division, Agricultural Marketing Service, USDA
Courtesy & Cooperation—American Meat Institute

Thousands of Pounds Processed Under Federal Inspection—Calendar year

	1974	1975	*1976	1977	1978	1979	1980	*1981	1982	1983
Luncheon Meat .	230,682	213,236	247,097	264,947	278,572	278,501	271,320	259,798	221,599	205,722
Canned Hams ...	351,325	249,343	250,992	275,666	271,991	287,809	308,282	246,844	194,003	190,348
Hash Products ..	75,149	69,565	79,180	78,096	84,984	80,640	83,525	72,832	74,353	87,807
Chili Con Carne .	289,070	272,419	305,048	318,146	335,717	333,621	343,395	312,262	312,223	329,396
Vienna Sausage .	94,968	98,908	101,663	119,835	116,035	98,050	89,643	96,736	84,952	90,792
Franks & Wieners in Brine	8,497	2,013	4,959	5,503	2,664	2,055	1,241	1,420	1,752	955
Deviled Ham	13,138	11,490	15,038	13,727	15,350	12,746	11,692	12,291	10,802	9,746
Potted Products & Spreads	37,435	34,201	43,191	43,895	45,680	39,798	37,381	38,291	33,576	32,864
Tamales	36,272	28,174	32,035	31,235	29,863	35,008	31,324	21,992	21,970	19,889
Sl. Dr. Beef	3,466	3,353	3,939	4,620	4,810	3,715	3,025	2,878	3,257	3,536
Chopped Beef ...	2,215	3,470	3,591	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Chopped Beef-Hamburger . .(a)	n.a.	n.a.	n.a.	11,050	8,277	1,677	7,229	12,126	11,836	11,566
Corned Beef . .(a)	n.a.	n.a.	n.a.	3,831	1,874	1,677	887	828	795	810
Meat Stew	169,353	144,077	150,906	148,800	156,097	145,114	138,830	125,915	131,975	152,296
Pasta Meat Products	315,643	319,653	368,375	428,503	426,362	436,107	392,590	379,786	382,232	384,301
Sausage	5,744	6,811	8,093	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Sausage/Oil	8,148	7,982	10,779	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Misc. Sausage Products	n.a.	n.a.	n.a.	24,669	28,181	26,728	23,986	27,045	21,922	21,115
Canned Beef . .(a)	39,448	39,634	58,058	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Soups	757,101	680,912	726,138	727,967	789,291	741,884	678,918	569,071	n.a.	n.a.
Tongue(not pckld)	455	482	256	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Vinegar Pickled Products	30,511	25,776	28,813	●18,017	●19,361	●17,854	●18,684	● 16,321	● 13,971	● 14,256
Tripe	5,212	5,685	5,859	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Brains	1,721	1,368	1,695	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
By Products, Not Pickled....	n.a.	n.a.	n.a.	9,043	4,613	7,256	4,592	3,097	2,850	3,192
Pork Pic./Loins...	8,591	11,102	10,337	18,260	15,673	12,645	23,374	15,132	8,016	22,315
Other-20% or More Meat	162,215	153,694	147,089	174,273	175,631	169,105	179,685	133,303	126,051	162,812
Other-Less than 20%(ex. soup) ..	503,001	491,470	454,578	289,865	314,618	279,364	316,035	434,552	370,872	316,784
Total†	3,149	2,875	3,058	3,010	3,126	3,011	2,966	2,856	**2,029	**2,061
Govt. Agencies ..	77,765	67,915	75,799	††	††	††	††	††	††	††
Total All†	3,227	2,943	3,134	3,010	3,126	3,011	2,966	2,783	**2,029	**2,061

† Millions of "Inspection pounds"—Some products may have been inspected and recorded more than once due to necessity of more than one processing such as curing first then canning. In comparing Totals, note items not available. n.a.—Not available. (a) "Canned Beef" for 1976 & prior years includes hamburgers, roasted or corned beef and gravy. *53 weeks. †† Breakdown by products includes govt. purchases. ● Not comparable to prior years due to changes in product classifications. **Excludes Soups.

SELECTED U.S. CANNED AND FROZEN SPECIALTY PACKS

Source: Table 6a 1962, 1967, 1972 and 1977 Census Reports. Quantities are in millions of actual cases, gallons, and pounds as indicated and represent all industry production. Value is given in millions of dollars. See other Census Tables, back of this Section. **Please Note:** As this edition goes to press May 15, 1984, 1981 Census Reports are not yet available. 1981 Values of many of the following categories and products taken from the Bureau's Annual survey of Manufacturers (latest available) are however shown in the table on page 589.

	1963		1967		1972		1977	
	Pack	Value	Pack	Value	Pack	Value	Pack	Value
DRY BEANS, Total (cases)	63.9	200.3	69.9	246.1	67.3	305.8	[1]75.0	556.5
Beans w/pork, incl. baked;								
48/8 oz. short & tall, etc.	2.2	7.7	3.0	12.1	3.1	15.6	2.1	18.5
48/1 pic., etc.	.9	4.5	1.2	6.1				
24/300, 303, etc.	18.6	51.6	16.9	48.3	13.0	48.1	18.9	115.6
24/2, etc.	4.8	16.3	5.7	23.1	4.9	24.0	4.6	36.7
24/Jumbo, etc.	.8	4.5						
24/2½(incl. qt., gal., etc.)	7.1	30.0	8.0	36.2	6.6	40.3	5.9	63.6
Other sizes, a/c	3.9	13.6	4.3	16.7	6.9	37.6	10.7	92.4
Beans with sauce, vegetarian style, incl. baked:								
24/300, 303, etc.	2.9	8.1	7.5	20.4	4.8	20.4	4.6	31.3
Other sizes, a/c	2.3	7.5	1.1	4.5	1.5	7.4	2.1	18.3
Beans, other dry, incl. chili con carne:								
24/300, 303, etc.	13.8	34.9	13.4	41.3	13.9	53.7	14.5	90.1
Other sizes, a/c	5.4	18.5	6.7	30.0	9.9	49.7	9.0	69.2
Dry beans (nsk) a/c	1.0	3.1	2.1	7.4	2.7	9.0	[1]2.4	20.7
HOMINY (cases)	2.6	5.6	2.5	5.3	2.4	6.8	2.3	9.9
MUSHROOMS (cases 48)	2.8	33.5	n.a.	46.3	n.a.	91.4	8.1	139.0
PICKLES & PICKLED PRODUCTS (gallons)	178.1	228.1	207.4	260.6	239.3	362.5	n.a.	553.2
Finished cucumber pickles:								
Dill	38.2	41.4	49.1	63.9	67.3	113.4	[1]94.1	228.3
Sour	6.4	7.3	8.1	9.1	10.5	17.5	[1]9.5	35.7
Sweet	25.2	45.4	27.3	48.2	35.4	77.4	[2]25.9	88.2
Fresh pack	41.8	49.1	52.4	63.8	22.3	44.1	[2]16.6	41.9
Pickled products including mixes, relishes, etc.	27.4	40.3	37.8	53.7	35.0	66.0	43.4	94.1
Unfinished pickles (salt stock	19.6	7.6	21.7	8.5	[3]54.0	19.2	n.a.	25.4
Pickles fruits and vegetables nsk	19.5	37.0	32.7	21.9	[3]14.8	24.9	.....	39.7
VINEGAR & CIDER								
Vinegar	n.a.	n.a.	134.6	46.8	143.2	65.5	(a)	98.8
Cider	n.a.	n.a.	19.9	9.9	31.0	15.1	14.8	24.0
MEAT SAUCES (except tomato) (gallons)	60.3	94.4	59.1	98.5	91.9	151.3	(a)	261.6
Prepared mustard	24.4	30.6	36.6	39.4	47.6	48.1	52.8	91.6
Worchestershire, soy sauce and similar types	28.4	60.8	21.7	57.9	[3]42.6	96.6	[2]57.2	169.2
Other meat saucesnsk	7.5	3.0	.8	1.2	4.1	6.6	(a)	.8
JAMS, JELLIES AND PRESERVES (pounds	.....	227.3	.....	245.2	.....	280.3	(a)	396.9
Jams & preserves, pure:								
Strawberry	125.5	35.7	118.5	35.1	118.0	40.3	114.0	61.1
Other	293.1	71.9	289.7	81.7	302.9	87.7	221.0	107.7
Jellies, pure:								
Grape	129.2	29.1	166.8	38.8	185.9	42.7	198.9	76.5
Other	173.1	38.9	146.6	40.0	162.3	42.6	187.2	83.0
Jams & Jellies, imitation	25.9	3.9	40.0	6.0	48.3	10.1	.....	5.6
Marmalades	22.1	4.5	14.8	3.8	18.3	4.4	.....	9.3
Fruit butter	52.5	7.8	39.3	6.9	24.4	5.2	22.8	8.4
Maraschino cherries (gals.)	5.6	19.4	4.9	21.7	5.4	28.9	3.9	29.2
Jams, Jellies and preserves, nsk	.....	16.0	.....	11.2	.....	18.4	(a)	16.1
PEANUT BUTTER (pounds)								
Consumer Sizes	n.a.	n.a.	387.3	150.1	510.7	234.3	541.8	403.1
Commercial-bulk	n.a.	n.a.	52.2	17.5	50.3	16.1	53.5	26.6
SIRUPS & MOLASSES	n.a.	n.a.	959.7	138.3	845.5	167.3	167.3	296.8
FRUITS, CANNED (cases)								
Olives, ripe & green ripe	4.8	43.8	n.a.	35.7	.....	55.1	[1]9.8	96.2
Pie mixes, canned fruit	9.5	40.9	7.7	40.8	9.2	44.9	8.0	82.6
Apple	1.6	5.9	1.3	5.8	1.5	6.7	1.5	12.8
Cherry	3.2	12.8	2.6	16.0	4.0	18.3	2.5	30.5
Peach	1.9	8.6	.7	3.9	.3	1.9	1.5	11.4
Other fruit pie mixes	2.8	13.6	3.0	15.1	3.4	18.0	2.5	27.9

(a) Not collected. [1]10 to 19% estimated. [2]20 to 29% estimated. [3]Over 30% estimated.
n.a. — Not available.

U.S. CANNED AND FROZEN SPECIALTY PACKS—Continued

	1963		1967		1972		1977	
	Pack	Value	Pack	Value	Pack	Value	Pack	Value
FRUIT JUICES (cases)								
Grape Juice:								
12/22.1 to 27 oz.	.2	13.8	6.4	25.6	2.6	12.5	.....	.....
Other sizes a/c	n.a.	11.9	n.a.	n.a.	11.8	39.9	.....	42.1
Grapefruit-Pineapple blend	8.0	21.8	6.6	17.4	.4	1.3	.2	1.0
Prune juice	8.9	34.6	8.7	40.3	6.6	32.5	5.5	32.0
Quart glass	5.4	22.0	4.7	20.0	2.4	11.4	2.1	12.0
Other sizes a/c	3.5	12.6	4.0	20.3	4.2	21.1	3.3	20.0
Nectars	3.8	13.5	3.3	10.4	4.8	16.7	6.1	33.6
MEATS, CANNED[2] (pounds)	1,521.2	730.1	1,700.8	856.4	1,768.9	1,106.3	1,188.5	1,256.3
Made in slaughtering plants	966.6	482.2	869.5	490.4	992.0	622.1	468.3	561.7
Made in meat processing plants & elsewhere	554.6	247.9	831.3	366.0	776.9	484.2	720.2	694.6
POULTRY, CANNED (except soups) (cases)	2.8	39.1	3.6	37.7	4.7	72.7	n.a.	n.a.
48/10 oz. & under	1.1	12.6	.9	17.0	1.0	15.8	n.a.	n.a.
12/40 to 60 oz.	.7	6.4	.6	5.3	.6	6.7	.5	11.5
Other sizes	1.1	10.0	2.1	15.4	3.1	50.2	n.a.	50.4
BABY FOODS (pounds)	.....	230.8	.....	246.3	n.a.	346.7	n.a.	401.3
Fruits	268.5	74.8	157.1	47.9	215.3	72.4	214.8	96.2
Meats	n.a.	n.a.	n.a.	n.a.	61.1	45.6	n.a.	n.a.
Vegetables	103.1	29.4	149.1	35.3	126.2	41.5	113.7	50.7
Desserts	88.4	24.8	169.6	50.4	199.4	64.6	n.a.	n.a.
Juices (cases)	11.2	17.0	9.4	19.7	9.8	28.4	13.1	65.2
Other canned	322.7	84.6	284.0	93.0	248.4	94.1	n.a.	n.a.
CANNED & CURED SEAFOOD (pounds)	756.4	384.5	n.a.	421.1	n.a.	587.7	n.a.	1,025.5
Canned (except soups)	567.3	310.3	n.a.	307.6	n.a.	453.9	576.1	773.3
Canned Seafood soups	90.4	21.0	n.a.	22.4	n.a.	41.9	133.5	65.8
Other Canned	n.a.	n.a.	n.a.	56.7	n.a.	64.4	n.a.	115.0
Cured Seafood	98.7	53.2	42.8	34.4	21.8	27.5	n.a.	71.5
OTHER CANNED SPEC (cases)	n.a.	515.5	n.a.	698.3	n.a.	977.4	n.a.	1,471.3
Spaghetti with meat	4.3	21.1	n.a.	(b)	n.a.	(b)	n.a.	(b)
Spaghetti without meat	8.5	26.3	n.a.	(b)	n.a.	(b)	n.a.	(b)
Macaroni, w/ or w/out meat	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	5.7	43.0
Spanish foods (mex rice, tort., etc.)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	7.1	42.0
Chinese Foods a/c	6.0	23.5	n.a.	(b)	n.a.	(b)	n.a.	(b)
.Mincemeat (pounds)	16.0	4.6	n.a.	(b)	n.a.	(b)	n.a.	(b)
Soups (except seafood), & canned specialties, nsk	.....	440.1	n.a.	(b)	n.a.	977.4	n.a.	1,471.3
FROZEN SPECIALTIES (pounds)	1,697.1	608.1	2,524.7	1,021.3	3,673.8	1,742.6	n.a.	2,911.9
Desert Pies & other Baked goods	683.0	178.3	626.0	208.9	994.2	387.5	n.a.	770.3
Fruit & Custard Pies	401.1	84.9	402.0	101.5	621.8	169.3	693.2	346.2
Other baked (waffles, cookies, cakes, pastries) excl. bread & rolls	281.9	93.4	224.0	107.4	372.4	218.2	620.7	424.1
FROZEN DINNERS, BEEF, PORK, POULTRY PIES, NATIONALITY FOODS	n.a.	n.a.	1,046.5	433.1	1,440.5	702.0	n.a.	1,297.7
Dinners	274.0	133.5	397.9	217.3	787.4	385.5	788.0	503.5
Beef & Pork Pies	290.1	121.6	125.4	44.4	192.5	86.9	58.5	35.9
Poultry Pies			193.8	45.0	225.2	78.0	233.1	99.4
Nationality Foods	450.1	174.5	329.4	126.4	293.1	151.1	n.a.	639.5
Dinners, Pies, Nat. Fds. nsk			n.a.	n.a.	.8	.5	n.a.	19.3
Other, ex. Seafood, (incl. soups)			697.3	247.4	890.0	492.5	1,229.5	718.2
Frozen Spec. nsk (companies 10 or more employees)[1]	(a)	(a)	335.1	124.0	304.3	140.0	n.a.	75.1
Frozen Spec. nsk (companies less than 10 employees)[1]	(a)	(a)	21.3	7.9	44.8	20.6	n.a.	50.6
FROZEN PACKAGED FISH AND SHELLFISH (pounds)	478.4	246.9	588.2	378.1	847.3	730.5	n.a.	1,632.0
Frozen Packaged Fish	287.1	112.4	309.0	132.6	518.2	280.1	n.a.	744.4
Fillets & Steaks	95.4	32.5	136.7	52.2	151.0	74.2	n.a.	164.2
Fish Sticks	89.9	38.5	69.5	28.9	144.4	81.0	(c)	(c)
Fish Portions	101.8	41.4	102.8	51.5	222.8	124.9	422.7	390.6
Other	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	189.6
Frozen Packaged Shellfish & other Seafood, incl. soups	191.3	134.5	279.2	245.5	329.1	415.8	n.a.	887.6
Shrimp	113.6	88.0	166.0	165.6	193.0	274.4	n.a.	430.0
Other, oyster, crab etc.	33.3	22.9	61.3	52.0	81.3	98.3	n.a.	318.9
Other, soups, stews, chowders, dinners, pies	44.4	23.6	51.9	27.9	54.8	43.1	n.a.	138.7

n.a.—Not available. [1] 20 employees in 1972 and 1977. [2] Except dog and cat food. Includes products containing 20% or more meat. Products containing less meat included in specialties above. (a) Included in other. (b) Included in total above. (c) included in portions.

U.S. FROZEN FRUIT AND VEGETABLE PACKS

Compiled by The American Frozen Food Institute

Thousands of Pounds

NOTE: Data represents calendar year production by final container size (after repack). Over the span of eight to ten years shown, there have been shifts in both regional production and containerization so that some overlap is inevitable. The occassional minus values shown in parentheses, represent the amount of carryover that was repacked into smaller containers.

TOTAL UNITED STATES VEGETABLE PACKS*

1942	152,512	1949	563,499	1956	1,533,038	1963	2,322,376	1970	4,316,731
1943	207,872	1950	587,101	1957	1,366,565	1964	2,639,199	1971	4,574,361
1944	237,092	1951	770,038	1958	1,433,244	1965	2,933,108	1972	4,874,561
1945	307,977	1952	895,719	1959	1,626,601	1966	3,364,386	1973	5,158,398
1946	450,000	1953	1,103,270	1960	1,958,621	1967	3,507,625	1974	5,473,141
1947	346,208	1954	974,628	1961	2,116,041	1968	3,857,840	1975	5,212,966
1948	446,358	1955	1,139,695	1962	2,264,116	1969	3,915,231	1976	5,491,035

*Includes potatoes beginning 1953 - vegetable mixes excluded 1965 and thereafter.

PACKS OF FROZEN VEGETABLES BY COMMODITY

Item	1976	1977	1978	1979	1980	1981	1982	1983
Artichokes	2,262	1,660	363	1,790	984	1,693	1,419	1,075
Asparagus	23,750	22,474	15,427	23,989	11,232	11,289	16,958	13,599
Beans, Green	179,353	230,248	263,245	262,708	235,182	248,193	285,029	255,832
Beans, Gr. Italian	11,594	15,907	16,667	19,213	16,855	15,443	20,355	19,954
Beans, Wax	7,000	5,605	7,478	10,629	8,744	9,227	8,283	7,387
Beans, Lima	68,827	137,358	119,255	124,273	85,908	88,840	123,722	[1]85,162
Beans, Speck Butter	9,431	7,917	12,609	3,876	4,544	8,630	8,986	6,546
Broccoli	201,513	314,395	276,519	298,618	290,657	306,755	335,516	285,358
Brussels Sprouts	44,845	56,642	71,161	61,353	63,366	62,162	52,980	41,354
Carrots	181,277	263,769	238,415	263,080	191,151	269,845	296,679	212,500
Cauliflower	67,807	96,670	127,513	101,130	84,766	105,161	111,644	100,541
Celery	10,286	9,642	17,507	17,494	8,729	11,762	12,764	13,497
Collards	17,022	19,269	17,901	16,534	13,206	16,051	18,031	9,440
Corn, cut	282,391	260,773	303,155	310,648	270,531	313,982	455,714	367,272
Corn, on cob	187,582	265,183	307,079	269,422	258,567	305,390	378,629	293,947
Kale	4,597	6,515	5,403	3,637	4,292	4,788	4,727	2,894
Mixed Vegetables*	110,167	133,108	121,875	158,160	172,499	164,606	141,165	152,279
Mushrooms	5,938	10,465	8,848	14,193	14,708	22,074	23,443	24,539
Mustard Greens	10,396	13,857	10,595	10,020	7,465	13,011	8,516	7,998
Okra	27,489	41,551	46,295	33,305	41,698	43,774	54,339	46,038
Onion rings	120,283	122,385	124,492	132,382	116,363	119,786	135,522	107,429
Onions, other	28,680	30,333	29,588	34,857	39,718	40,088	46,822	32,208
Peas, Blackeye	31,368	36,054	36,981	21,099	20,933	33,404	23,821	22,926
Peas, Green	340,366	333,954	357,717	427,461	315,577	333,888	404,830	354,480
Peas & Carrots*	27,436	30,361	31,844	32,036	33,208	33,249	29,539	31,238
Peas & Onions*	2,942	3,796	5,051	7,740	8,046	10,260	7,434	8,571
Peppers, Gr.& Red	8,447	14,316	11,993	10,661	15,367	16,147	12,940	24,523
Pumpkin & Sq.	22,177	25,168	25,058	23,667	23,000	37,806	24,897	17,759
Rhubarb	8,231	8,626	4,856	7,899	8,444	6,483	6,767	3,402
Spinach	160,247	167,766	147,389	181,279	169,298	183,646	150,667	143,205
Squash, Summer	35,377	41,598	43,826	38,149	36,737	46,833	65,179	62,738
Stew Vegetables*	17,585	18,258	13,697	16,324	16,947	14,366	13,908	14,2[illegible]1
Succotash*	6,445	7,610	6,099	7,019	6,736	6,600	6,578	6,037
Swt. Pot. & Yams	12,038	11,091	15,483	14,981	16,135	19,993	20,822	6,719
Turnip Greens	14,457	17,168	13,735	15,948	10,705	13,020	9,799	11,925
Turnips, Tur.Gr Tur.	22,011	25,331	23,511	23,210	21,321	19,243	19,759	23,290
Misc. Veg.	8,942	9,296	11,859	7,922	9,890	7,682	14,411	35,263
Total Vegetables	2,155,984	2,622,986	2,711,923	2,785,427	2,416,073	2,736,089	3,153,970	2,640,800
Tot. Potato Products	3,335,051	3,622,823	3,848,810	4,089,732	3,853,156	4,236,239	4,377,228	4,509,905
Tot. Veg. & Pot.	5,491,035	6,245,809	6,560,733	6,875,159	6,269,229	6,972,328	7,531,198	7,150,705

*Repack—Quantities of component products are included in the individual product figures of this table which represent first freezing. The figures themselves are Repacks not included in "Total Vegetables" [1] Baby limas only. Fordhooks included in Miscellaneous veg.

TOTAL FROZEN VEGETABLE PACKS BY REGION

Thousands of Pounds

	1976	1977	1978	1979	1980	1981	1982	1983
East	316,782	413,202	516,792	532,217	506,724	626,792	660,457	610,330
South	258,635	290,115	306,132	301,155	312,717	296,887	314,202	252,382
Midwest	457,946	602,248	620,087	771,758	677,385	893,206	1,036,259	1,067,808
West	4,457,672	4,940,244	5,117,722	5,270,029	4,772,403	5,155,443	5,520,280	5,220,185

EAST AND SOUTH: Ala., Ark., Conn., Del., Fla., Ga., Ky., La., Me., Md., Mass., Miss., Mo., N.J., New Mexico, N.Y., N.C., Okla., Pa., Tenn., Texas, and Va. MIDWEST: Ill., Ind., Michigan, Minnesota, Nebraska, North Dakota, South Dakota, Ohio and Wisconsin. WEST: California, Colorado, Idaho, Montana, Oregon, Utah, Washington and Wyoming.

FROZEN ASPARAGUS PACKS IN THE U.S.

Thousands of Pounds—*Compiled by The Almerican Frozen Food Institute*

1942	5,769	1948	18,321	1954	25,780	1960	40,026	1966	34,532	1972	33,574
1943	9,619	1949	18,422	1955	28,669	1961	34,157	1967	32,460	1973	20,157
1944	12,339	1950	22,309	1956	37,674	1962	30,810	1968	34,355	1974	16,190
1945	20,638	1951	23,562	1957	31,201	1963	30,315	1969	23,033	1975	18,409
1946	28,316	1952	25,460	1958	24,365	1964	31,054	1970	25,925	1976	23,750
1947	10,737	1953	32,945	1959	32,739	1965	30,867	1971	29,959	1977	22,474

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
BY REGION										
Ea., So., MW	.....	1,895	2,330	2,181	†	n.a.	n.a.	n.a.	†	†
California	*16,190	11,428	15,217	14,591	7,256	n.a.	n.a.	n.a.	8,107	4,652
Washington	*	5,086	6,203	5,702	†8,171	n.a.	n.a.	n.a.	†8,851	8,947
BY STYLE										
Spears	10,419	12,518	15,988	14,801	9,067	15,428	6,632	6,489	9,681	7,563
Cuts & Tips	5,771	5,891	7,762	7,673	6,360	8,561	4,600	4,800	7,277	6,036
SIZE CLASSIFICATION										
Retail	9,870	8,488	10,546	10,940	6,951	9,226	4,279	5,280	4,090	4,666
Food Service	6,152	9,337	12,788	11,116	7,233	13,431	5,933	6,006	11,502	8,134
Bulk	168	584	416	418	1,243	1,332	1,020	3	1,366	799
Total Pack	16,190	18,409	23,750	22,474	15,427	23,989	11,232	11,289	16,958	13,599

*Washington included in California. †Ea., So. & MW included in Washington. n.a.-not available.

FROZEN GREEN BEAN PACKS IN THE U.S.

Thousands of Pounds—*Compiled by The American Frozen Food Institute*

1942	13,784	1948	49,583	1954	123,253	1960	148,751	1966	217,914	1972	243,576
1943	24,491	1949	58,524	1955	120,968	1961	170,256	1967	224,848	1973	267,852
1944	23,753	1950	65,529	1956	137,744	1962	154,368	1968	207,910	1974	239,872
1945	31,460	1951	81,650	1957	134,361	1963	156,320	1969	184,766	1975	208,185
1946	40,975	1952	87,438	1958	156,006	1964	173,794	1970	199,203	1976	179,353
1947	30,911	1953	114,781	1959	138,527	1965	177,218	1971	211,601	1977	230,248

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
PACK BY REGION										
East & South	98,634	89,256	59,364	89,039	101,722	100,462	84,190	94,442	113,386	97,184
Midwest	13,697	12,973	16,140	19,936	29,172	25,173	24,229	30,011	30,783	32,367
Northwest	102,427	77,594	103,849	121,273	132,351	137,073	126,763	123,740	140,860	126,281
California	25,114	28,362	- (a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
BY STYLE										
Regular cut	160,666	144,309	114,446	142,239	161,085	162,000	155,996	160,020	190,658	162,699
French cut	70,202	59,000	59,974	82,633	95,117	91,686	71,713	78,639	82,485	78,825
Whole	9,004	4,876	4,933	5,376	7,043	9,022	7,473	9,534	11,886	14,308
SIZE CLASSIFICATION										
Retail	109,801	98,273	70,989	94,957	97,356	99,010	90,334	96,109	95,820	99,602
Food Service	52,977	55,287	39,697	46,335	50,652	51,265	45,493	48,188	54,600	56,387
Bulk	52,822	32,367	43,774	51,412	72,837	71,856	61,474	67,279	98,104	69,215
Subtotal	215,600	185,927	154,460	192,704	220,845	222,131	197,301	211,576	248,524	225,204
Other Uses**	24,272	22,258	24,893	37,544	42,400	40,577	37,881	36,617	36,505	30,628
TOTAL PACK	239,872	208,185	179,353	230,248	263,245	262,708	235,182	248,193	285,029	255,832
GREEN BEANS, ITALIAN										
Retail	6,118	5,014	3,990	5,792	4,310	6,225	3,557	3,886	5,423	4,158
Food Service	2,034	1,521	1,546	2,199	2,334	2,232	2,787	2,634	3,852	3,693
Bulk	2,548	(3,628)	2,880	3,727	6,665	5,799	3,766	5,011	5,125	9,097
Other Uses	2,421	3,080	3,178	4,189	3,358	4,957	6,745	3,912	5,955	3,006
TOTAL PACK	13,121	5,987	11,594	15,907	16,667	19,213	16,855	15,443	20,355	19,954

n.a.-Not available. *Some overlap from region to region. **Frozen product used for combination packs and/or canned and prepared foods. (a) Included in Northwest.

FROZEN WAX BEAN PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Retail	2,454	1,571	1,354	1,676	1,344	2,104	1,126	1,451	1,548	1,436
Food Service	3,864	2,418	1,510	2,758	2,505	1,896	2,495	2,328	2,915	2,711
Bulk	524	2,541	3,789	409	1,923	5,112	3,372	4,634	2,759	2,369
Other Uses	532	300	347	762	1,706	1,517	1,751	764	1,061	871
TOTAL PACK ...	7,374	6,830	7,000	5,605	7,478	10,629	8,744	9,227	8,283	7,387

FROZEN LIMA BEAN PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

BABY LIMAS

1945 19,234	1950 33,960	1955 58,232	1960 79,535	1965 81,425	1970 73,012
1946 28,805	1951 44,147	1956 67,978	1961 89,883	1966 89,693	1971 73,898
1947 29,858	1952 52,405	1957 60,736	1962 81,592	1967 85,687	1972 92,634
1948 31,663	1953 64,390	1958 65,461	1963 61,707	1968 84,579	1973 98,112
1949 44,665	1954 60,726	1959 64,351	1964 60,823	1969 82,562	1974 97,163

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
BY REGION										
East ,So& Midwest	29,741	19.498	8,036	15.134	14.306	11.469	8.976	15.575	18.144	17.803
Northwest	14,578	12.169	7,048	11.341	(b)	(b)	(b)	(b)	(b)	(b)
California........	52.844	54.003	28.770	65.679	66.839	71.306	43.812	51.909	73.637	67.359
SIZE CLASSIFICAT										
Retail	43,899	34,052	31,764	43,398	33,483	35,288	29.317	35,849	30,661	31,544
Food Service	13,736	13,819	10,057	12,669	12,197	11,582	11.295	8.837	12.680	11,498
Bulk	29,639	28,327	(5,819)	25,183	22,904	28,521	788	14,409	41.230	33,560
Subtotal.........	87,274	76,198	36,002	81,250	68,584	75,391	41.400	59,095	84.571	76,602
Other Uses	9,889	9,472	7,852	10,904	12,561	7,384	11.388	8,389	7,210	8,560
Total Baby	97,163	85,670	43,854	92,154	81,145	82,775	52.788	67,484	91.781	85,162

(a) Included in East & Soutn. (b) Included in California.

FORDHOOK LIMAS

1945 9,242	1950 52,029	1955 59,465	1960 68,022	1965 64,102	1970 36,844
1946 21,278	1951 63,873	1956 75,560	1961 70,053	1966 62,224	1971 40,690
1947 38,336	1952 61,521	1957 70,644	1962 68,992	1967 63,950	1972 52,968
1948 43,741	1953 74,205	1958 60,449	1963 56,000	1968 66,513	1973 51,577
1949 43,284	1954 68,948	1959 49,672	1964 55,665	1969 55,792	1974 46,226

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
SIZE CLASSIFICATION										
Retail	36,057	31,379	30,869	19,881	24,790	22,904	25,179	22.879	23.170	20,115
Food Service	11,342	10,121	8,643	5,638	8,407	5,504	7,512	4,842	4,831	5,501
Bulk	4,178	4,726	10,733	(546)	12,007	9,702	8,807	5.399	(6,645)	6,325
Total Fordhook ..	51,577	46,226	50,245	24,973	45,204	38,110	41,498	33,120	21,356	31,941

FROZEN BROCCOLI PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942.....3,223	1948....29,126	1954....62,004	1960...128,210	1966...158,586	1972...234,344
1943.....4,882	1949....45,233	1955....96,240	1961...121,636	1967...166,730	1973...213,165
1944.....6,840	1950....41,028	1956...118,287	1962...111,450	1968...172,959	1974...245,285
1945....11,656	1951....48,768	1957....80,452	1963...135,334	1969...153,784	1975...191,638
1946....25,789	1952....82,253	1958...109,679	1964...129,817	1970...185,157	1976...201,513
1947.....9,117	1953....89,043	1959...103,215	1965...122,310	1971...189,600	1977...314,395

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
BY REGION										
Other States	27,738	21,678	6,959	11,209	11,431	n.a.	n.a.	18,055	31,666	24,999
California	217,547	169,960	194,554	303,186	265,088	n.a.	n.a.	288,700	303,850	260,359
BY STYLE										
Cuts	54,787	46,675	56,874	93,197	82,707	106,874	102,853	110,541	125,334	102,371
Chopped	35,136	28,502	28,463	49,565	40,340	34,666	36,021	41,047	39,654	33,467
Spears	155,362	116,461	116,176	171,633	153,472	157,078	151,783	155,167	170,528	149,520

n.a. – Not available *1983 pack fordhooks included with misc. veg. due to insufficient no. of packers.

FROZEN BROCCOLI PACKS—Continued

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
SIZE CLASSIFICATION										
Retail	168,649	124,313	119,396	185,728	157,979	167,095	167,183	154,835	154,174	133,501
Food Service	60,803	54,180	59,692	85,997	76,169	80,362	72,346	95,733	96,042	104,182
Bulk	9,842	5,269	14,585	27,013	21,246	27,568	16,286	27,132	37,426	21,710
Subtotal	239,294	183,762	193,673	298,738	255,394	275,025	255,815	277,700	287,642	259,393
Other Uses	5,991	7,876	7,840	15,657	21,125	23,593	34,842	29,055	47,874	25,965
TOTAL PACK	245,285	191,638	201,513	314,395	276,519	298,618	290,657	306,755	335,516	285,358

n.a. Not available.

FROZEN BRUSSELS SPROUTS PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	3,430	1948	10,526	1954	33,418	1960	39,261	1966	51,698	1972	55,845
1943	4,839	1949	23,455	1955	23,142	1961	40,057	1967	39,479	1973	56,836
1944	4,920	1950	22,439	1956	43,989	1962	40,334	1968	49,024	1974	53,729
1945	6,606	1951	22,476	1957	33,354	1963	42,272	1969	40,083	1975	54,422
1946	13,521	1952	22,454	1958	30,424	1964	47,476	1970	42,663	1976	44,845
1947	4,557	1953	4[illegible],302	1959	38,733	1965	37,339	1971	49,195	1977	56,642

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
SIZE CLASSIFICATION										
Retail	40,730	36,032	32,729	41,598	45,782	41,889	44,497	43,741	33,547	27,299
Other	12,999	18,390	12,116	15,044	25,379	1[illegible],464	18,869	18,421	19,433	14,055
TOTAL PACK	53,729	54,422	44,845	56,642	71,161	61,353	63,366	62,162	52,980	41,354

FROZEN CARROT PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	1,043	1948	15,393	1954	27,494	1960	72,100	1966	131,127	1972	165,87[illegible]
1943	2,260	1949	12,751	1955	34,389	1961	60,271	1967	133,337	1973	231,688
1944	903	1950	13,338	1956	51,010	1962	79,422	1968	162,282	1974	248,081
1945	6,051	1951	10,573	1957	34,237	1963	69,773	1969	150,945	1975	165,869
1946	9,069	1952	22,269	1958	53,713	1964	63,947	1970	173,054	1976	181,277
1947	2,905	1953	29,332	1959	55,487	1965	109,538	1971	143,681	1977	263,769

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
BY REGION										
East & South	35,002	25,218	28,808	28,446	35,980	31,324	40,882	66,743	72,658	73,456
Midwest	11,449	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Northwest	101,280	58,359	75,151	115,199	90,950	117,917	65,601	120,575	135,986	86,224
California	100,350	82,292	77,318	120,124	111,485	113,839	84,668	82,527	88,035	52,820
BY STYLE										
Diced (b)	154,445	84,858	100,673	141,599	108,547	143,335	101,306	146,972	145,091	88,331
Sliced & Crinkle	57,078	56,624	45,331	60,999	68,139	73,765	56,779	70,892	86,406	69,843
Nuggets, Baby & whole	17,431	15,090	19,262	27,233	27,067	24,310	19,285	26,558	30,144	26,883
Shoestring	8,319	4,683	7,677	14,067	11,593	10,625	8,254	19,026	27,644	19,803
Chunks & Chips (b)	10,808	4,614	8,234	19,871	23,069	11,045	5,527	6,397	7,394	7,640
SIZE CLASSIFICATION										
Retail	36,978	35,879	27,883	33,703	38,406	33,532	34,049	41,000	37,985	39,851
Food Service	23,247	18,271	16,516	19,377	21,093	17,936	18,368	21,203	19,590	20,466
Bulk	148,911	72,539	100,835	155,440	116,497	150,544	81,875	158,870	183,585	95,248
Subtotal	209,136	126,689	145,234	208,520	175,996	202,012	134,292	221,073	241,160	155,565
Other Uses	38,945	39,180	36,043	55,249	62,419	61,068	56,859	48,772	55,519	56,935
TOTAL PACK	248,081	165,869	181,277	263,769	238,415	263,080	191,151	269,845	296,679	212,500

(a) Included in East & South. (b) Beginning 1978, chips in diced, other in chunks.

FROZEN CAULIFLOWER IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	1,200	1948	13,963	1954	17,088	1960	48,743	1966	53,985	1972	94,070
1943	2,513	1949	21,655	1955	40,086	1961	41,117	1967	50,971	1973	96,098
1944	4,821	1950	12,339	1956	47,159	1962	37,806	1968	67,566	1974	93,754
1945	7,391	1951	22,428	1957	22,690	1963	40,677	1969	69,744	1975	76,056
1946	13,237	1952	33,166	1958	33,251	1964	43,596	1970	59,782	1976	67,807
1947	5,354	1953	35,710	1959	33,566	1965	46,211	1971	67,659	1977	96,670

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
BY REGION										
California	84,192	58,448	51,929	76,981	96,771	76,957	66,369	85,370	85,339	71,779
Ea., So., NW.	9,562	17,608	15,878	19,689	30,742	24,173	18,397	19,791	26,305	28,762
SIZE CLASSIFICATION										
Retail	56,656	43,525	36,586	49,144	59,930	48,954	41,916	40,970	36,468	29,821
Other	32,603	26,572	23,748	36,484	57,687	39,788	21,397	50,165	52,968	52,093
Subtotal	89,259	70,097	60,334	85,628	117,617	88,742	63,313	91,135	89,436	81,914
Other Uses	4,495	5,959	7,473	11,042	9,896	12,388	21,453	14,026	22,208	18,627
TOTAL PACK	93,754	76,056	67,807	96,670	127,513	101,130	84,766	105,161	111,644	100,541

FROZEN CORN-ON-COB PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	1,767	1948	10,324	1954	16,788	1960	11,320	1966	44,241	1972	133,064
1943	846	1949	17,563	1955	6,932	1961	12,000	1967	43,973	1973	166,830
1944	606	1950	10,069	1956	20,422	1962	16,873	1968	76,358	1974	152,330
1945	445	1951	8,772	1957	13,699	1963	11,748	1969	73,914	1975	183,381
1946	2,296	1952	14,186	1958	10,370	1964	27,757	1970	80,889	1976	187,582
1947	6,064	1953	17,217	1959	9,872	1965	40,337	1971	106,893	1977	265,183

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
BY REGION										
East & South	18,438	27,106	25,476	30,590	33,642	34,910	26,712	31,702	46,846	45,684
Midwest	39,454	43,810	42,904	81,920	87,996	66,114	78,199	107,790	96,828	60,148
West	94,438	112,465	119,202	152,673	185,441	168,398	153,656	165,898	234,955	188,115
SIZE CLASSIFICATION										
Retail	104,699	106,652	87,747	102,512	131,080	179,737	131,283	152,195	168,441	160,919
Food Service	26,407	44,128	36,391	87,056	93,062	109,378	109,646	84,331	133,404	109,905
Bulk	21,224	32,601	63,444	75,615	82,937	†(19,693)	17,638	68,864	76,784	23,123
TOTAL PACK	152,330	183,381	187,582	265,183	307,079	269,422	258,567	305,390	378,629	293,947

†Deficit attributable to previous years carryover.

FROZEN CUT CORN PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	9,369	1948	20,920	1954	78,212	1960	130,460	1966	300,165	1972	273,776
1943	21,450	1949	37,076	1955	70,041	1961	168,960	1967	316,100	1973	294,223
1944	20,983	1950	32,998	1956	118,153	1962	163,456	1968	334,549	1974	298,224
1945	25,551	1951	44,549	1957	112,917	1963	168,156	1969	289,268	1975	288,067
1946	42,427	1952	62,684	1958	111,039	1964	159,846	1970	216,097	1976	282,391
1947	26,559	1953	104,809	1959	121,013	1965	222,185	1971	226,835	1977	260,773

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
BY REGION										
East & South	30,839	27,846	24,788	22,053	21,857	20,701	22,007	23,493	37,150	42,031
Midwest	52,228	53,394	66,186	54,177	60,437	40,754	51,702	55,978	66,219	56,190
West	215,157	206,827	191,417	184,543	220,861	249,193	196,822	234,511	352,345	269,051
SIZE CLASSIFICATION										
Retail	129,673	134,347	117,505	126,114	118,443	121,027	116,020	132,999	133,417	144,817
Food Service	38,521	34,327	33,556	34,967	38,458	36,484	34,725	43,026	43,350	55,405
Bulk	103,698	94,127	104,661	66,685	106,482	113,440	81,177	101,498	243,169	127,689
Subtotal	271,892	262,801	255,722	227,766	263,383	270,951	231,922	277,523	419,936	327,911
Other Uses	26,332	25,266	26,669	33,007	39,772	39,697	38,609	36,459	35,778	39,361
TOTAL ALL	298,224	288,067	282,391	260,773	303,155	310,648	270,531	313,982	455,714	367,272

FROZEN OKRA PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Production Chiefly in the South—Thousands of Pounds

1947	372	1952	8,427	1957	17,071	1962	23,084	1967	47,465	1972	27,924
1948	1,526	1953	12,285	1958	15,767	1963	21,144	1968	30,485	1973	40,597
1949	2,344	1954	7,756	1959	22,307	1964	35,451	1969	38,250	1974	42,992
1950	2,620	1955	13,647	1960	17,955	1965	30,365	1970	44,168	1975	27,970
1951	4,789	1956	13,084	1961	24,754	1966	38,327	1971	32,234	1976	27,489

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
BY STYLE										
Whole	22,672	13,136	9,576	13,705	14,067	8,732	8,224	10,387	6,446	4,884
Cut	20,320	14,834	17,913	27,846	32,228	24,573	33,474	33,387	47,893	41,154
SIZE CLASSIFICATION										
Retail	29,700	22,964	24,589	28,183	23,027	27,186	30,993	23,171	18,459	24,135
Other	13,292	5,006	2,900	13,368	23,268	6,119	10,705	20,603	35,880	21,903
TOTAL PACK	42,992	27,970	27,489	41,551	46,295	33,305	41,698	43,774	54,339	46,038

FROZEN ONION PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1967	23,433	1969	37,881	1971	75,882	1973	114,679	1975	121,101	1977	152,718
1968	34,621	1970	52,205	1972	110,672	1974	111,228	1976	148,963	1978	154,080

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
BREADED RINGS[1]										
TOTAL	44,491	45,809	64,081	66,774	65,739	70,140	63,104	80,398	80,120	51,071
FORMED RINGS										
3 to 8 ounce	(a)	3,287	3,428	4,193	3,040	4,570	2,501	2,025	(a)	(a)
12 to 32 ounce	11,764	11,978	18,848	18,868	12,942	14,366	13,036	9,357	7,232	12,605
2 to 20 pound	20,995	36,771	33,926	32,550	42,771	43,306	37,722	28,006	48,170	43,753
TOTAL	32,759	52,036	56,202	55,611	58,753	62,242	53,259	39,388	55,402	56,358
Total Rings	77,250	97,845	120,283	122,385	124,492	132,382	116,363	119,786	135,522	107,429
WHOLE, CHOPPED, ETC.[2]										
10 to 32 ounce	1,038	1,660	1,038	640	493	649	666	3,754	3,920	682
Polybags	8,431	9,558	11,349	9,354	8,454	10,175	5,508	4,185	4,080	6,907
3 to 20 lb.	435	2,379	6,465	2,152	2,328	2,604	6,015	3,122	3,256	3,527
Bulk	16,911	4,142	2,901	8,224	10,399	11,641	22,050	16,553	27,729	3,394
Sub Total	26,815	17,739	21,753	20,370	21,674	25,069	34,239	27,614	38,985	14,510
*Other uses	7,163	5,517	6,927	9,963	7,914	9,788	5,479	12,474	7,837	17,698
TOTAL	33,978	23,256	28,680	30,333	29,588	34,857	39,718	40,088	46,822	32,208
ALL STYLES										
TOTAL	111,228	121,101	148,963	152,718	154,080	167,239	156,081	159,874	182,344	139,637

[1] Production chiefly in the Midwest. [2] Includes, whole, chopped, sliced, pearl, strips, etc. Production chiefly in the West. † Comparable container size data for breaded onion rings not available. *Initial frozen vegetable weight going into combination (mixed) vegetables and prepared foods.

FROZEN BLACK-EYED (AND OTHER SOUTHERN*) PEAS

Compiled by The American Frozen Food Institute

Thousands of Pounds

1948	573	1953	6,431	1958	13,012	1963	15,639	1968	25,579	1973	41,974
1949	704	1954	5,698	1959	14,821	1964	23,452	1969	20,647	1974	30,881
1950	1,280	1955	10,227	1960	16,678	1965	26,037	1970	30,084	1975	21,745
1951	2,725	1956	6,737	1961	18,683	1966	29,780	1971	33,027	1976	31,368
1952	4,146	1957	11,624	1962	18,380	1967	44,236	1972	38,004	1977	36,054

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
BY TYPE										
Black-eyed	20,283	14,038	17,125	19,082	21,951	12,554	14,966	21,013	15,645	17,214
Other	10,598	7,707	14,243	16,972	15,030	8,545	5,967	12,391	8,176	5,712
SIZE CLASSIFICATION										
Retail	28,627	22,995	23,843	21,700	16,789	23,901	18,125	19,153	18,246	17,408
Other	2,254	(1,250)	7,525	14,354	20,192	†(2,802)	2,808	14,251	5,575	5,518
TOTAL PACK	30,881	21,745	31,368	36,054	36,981	21,099	20,933	33,404	23,821	22,926

*Includes crowder, field, lady, creme, purple hull, etc. †Deficit attributable to previous years carryover and imported product repacked in U.S.

FROZEN GREEN PEA PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	59,077	1948	118,977	1954	206,854	1960	295,227	1966	375,360	1972	340,075
1943	70,310	1949	113,273	1955	231,216	1961	346,069	1967	424,246	1973	387,749
1944	79,152	1950	152,275	1956	359,661	1962	356,857	1968	429,352	1974	416,682
1945	103,834	1951	195,541	1957	295,823	1963	344,784	1969	367,323	1975	400,587
1946	140,603	1952	203,726	1958	251,934	1964	336,931	1970	344,520	1976	340,366
1947	131,786	1953	226,664	1959	304,955	1965	443,289	1971	348,418	1977	333,954

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
BY REGION										
East & South	40,811	40,368	24,632	26,057	29,911	43,912	38,822	54,564	51,698	41,293
Midwest	52,432	37,136	36,791	49,602	44,144	54,463	43,016	44,300	78,374	60,236
Northwest	292,973	285,548	258,802	233,231	266,385	305,058	217,584	223,461	250,555	252,951
California	30,466	37,535	20,141	25,064	17,277	24,028	16,155	11,563	24,203	
SIZE CLASSIFICATION										
Retail	146,659	136,063	125,633	132,457	131,175	142,675	126,257	154,927	149,600	155,930
Food Service	61,814	57,747	64,700	55,644	49,252	62,923	54,027	61,720	50,375	57,234
Bulk	160,827	169,638	112,588	102,069	130,052	169,574	87,806	71,903	160,372	83,881
Subtotal	369,300	363,448	302,921	290,170	310,479	375,172	268,090	288,550	360,347	297,045
Other Uses	47,382	37,139	37,445	43,784	47,238	52,789	47,487	45,338	44,483	57,435
TOTAL PACK	416,682	400,587	340,366	333,954	357,717	427,461	315,577	333,888	404,830	354,480

FROZEN POTATO PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1953	70,691	1958	269,462	1963	861,537	1968	1,736,055	1973	2,691,073
1954	85,256	1959	371,048	1964	1,117,883	1969	2,048,408	1974	2,984,881
1955	128,890	1960	551,392	1965	1,218,529	1970	2,404,389	1975	3,000,983
1956	189,685	1961	579,162	1966	1,459,634	1971	2,565,118	1976	3,335,051
1957	219,860	1962	761,609	1967	1,490,809	1972	2,593,848	1977	3,622,823

	1976	1977	1978	1979	1980	1981	1982	1983
TOTAL BY REGION								
California	.....	.....	.....	.....	.....	11,607	9,267	8,534
Northwest	2,936,652	3,101,630	3,231,754	3,233,465	3,113,369	3,338,380	3,377,783	3,484,868
East, So. & MW	398,399	521,193	617,056	856,267	739,787	886,252	990,178	1,016,503
U.S. Total	3,335,051	3,622,823	3,848,810	4,089,732	3,853,156	4,236,239	4,377,228	4,509,905
TOTAL BY STYLE								
French Fries	2,907,843	3,134,339	3,265,498	3,488,045	3,182,351	3,577,940	3,662,379	3,817,151
Hash Browns	188,549	204,303	222,021	235,478	(a)	(a)	(a)	(a)
Misc. Products	238,659	284,181	361,291	366,209	670,805	658,299	714,849	692,754
FRENCH FRIES								
Retail Straight	324,124	272,870	273,477	304,633	n.a.	n.a.	n.a.	n.a.
Retail Crinkle	322,577	323,773	288,691	305,375	n.a.	n.a.	n.a.	n.a.
Total Retail	646,701	596,643	562,168	610,008	597,423	562,258	540,596	476,670
Food Ser. Str.	1,731,720	1,958,996	2,115,236	2,367,103	n.a.	n.a.	n.a.	n.a.
Food Ser. Crinkle	511,452	551,087	561,343	603,388	n.a.	n.a.	n.a.	n.a.
Tot. Food Service	2,243,172	2,510,083	2,676,579	2,970,491	2,569,557	3,039,757	3,124,668	3,335,037
Bulk Straight	20,233	29,155	26,971	†(89,135)	n.a.	n.a.	n.a.	n.a.
Bulk Crinkle	†(2,263)	†(1,542)	†(220)	†(3,319)	n.a.	n.a.	n.a.	n.a.
Tot. Bulk	17,970	27,613	26,751	†(92,454)	15,371	†(24,075)	†(2,885)	5,444
Tot. Straight	2,076,077	2,261,021	2,415,684	2,582,601	n.a.	n.a.	n.a.	n.a.
Tot. Crinkle	831,766	873,318	849,814	905,444	n.a.	n.a.	n.a.	n.a.
All French Fries	2,907,843	3,134,339	3,265,498	3,488,045	3,182,351	3,577,940	3,662,379	3,817,151
HASH BROWNS								
Retail	114,709	110,814	119,265	122,701	n.a.	n.a.	n.a.	n.a.
Food Ser & Bulk	73,840	93,489	102,756	112,777	n.a.	n.a.	n.a.	n.a.
Tot. Hash Brown	188,549	204,303	222,021	235,478	n.a.	n.a.	n.a.	n.a.
MISC. POT. PROD.								
Retail	121,463	159,301	161,858	153,243	n.a.	n.a.	n.a.	n.a.
Food Service	114,448	120,020	181,813	187,875	n.a.	n.a.	n.a.	n.a.
Bulk	2,748	4,860	17,620	25,091	n.a.	n.a.	n.a.	n.a.
Tot. Misc.	238,659	284,181	361,291	366,209	*670,805	*658,299	*714,849	*692,754

(a) Included in Misc. n.a.-Not available. *Includes Hash Browns. † Deficit attributable to previous years' carryover.

PUMPKIN AND COOKED SQUASH

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	2,633	1948	5,577	1954	13,036	1960	23,447	1966	19,697	1972	29,708
1943	8,344	1949	8,337	1955	17,863	1961	15,894	1967	23,298	1973	29,047
1944	10,002	1950	8,325	1956	24,158	1962	12,101	1968	24,672	1974	32,641
1945	7,354	1951	12,723	1957	13,151	1963	12,190	1969	26,091	1975	29,802
1946	10,009	1952	15,068	1958	18,007	1964	11,243	1970	27,241	1976	22,177
1947	5,190	1953	9,473	1959	15,705	1965	17,390	1971	28,470	1977	25,168

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
SIZE CLASSIFICATION										
Retail	19,184	10,567	9,798	13,999	12,254	11,955	9,944	17,249	9,533	8,126
Other	13,457	19,235	12,379	11,169	12,804	11,712	13,056	20,557	15,364	9,633
Total Pack	32,641	29,802	22,177	25,168	25,058	23,667	23,000	37,806	24,897	17,759

FROZEN SPINACH PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	16,575	1948	41,571	1954	66,901	1960	118,595	1966	142,931	1972	160,050
1943	24,648	1949	62,307	1955	110,347	1961	116,505	1967	153,228	1973	159,501
1944	31,947	1950	52,806	1956	104,511	1962	97,291	1968	153,960	1974	177,892
1945	36,721	1951	97,878	1957	102,130	1963	119,768	1969	107,182	1975	129,399
1946	38,185	1952	91,464	1958	97,472	1964	126,957	1970	145,694	1976	160,247
1947	23,279	1953	87,927	1959	121,904	1965	122,264	1971	156,991	1977	167,766

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
BY REGION										
East & South	19,748	13,984	10,117	8,827	12,714	13,756	8,598	28,112	26,907	27,153
West	158,144	115,415	150,130	158,939	134,675	167,523	160,700	155,534	123,760	116,052
BY STYLE										
Leaf	102,755	72,153	84,917	93,953	79,322	97,552	90,228	93,795	68,463	58,763
Chopped	75,137	57,246	75,330	73,813	68,067	83,727	79,070	89,851	82,204	84,442
SIZE CLASSIFICATION										
Retail	108,925	87,282	94,232	99,797	82,372	102,922	101,528	100,805	84,429	71,763
Food Service	65,905	41,136	62,327	64,934	60,899	74,039	65,657	79,989	60,230	66,460
Bulk	3,062	981	3,688	3,035	4,118	4,318	2,113	2,852	6,008	4,982
Total Pack	177,892	129,399	160,247	167,766	147,389	181,279	169,298	183,646	150,667	143,205

FROZEN SUMMER SQUASH PACKS IN THE U. S.

(All Types, Including Zucchini)

Compiled by The American Frozen Food Institute

Thousands of Pounds

1961	5,926	1964	6,316	1967	10,467	1970	18,953	1973	26,343
1962	8,022	1965	10,987	1968	12,832	1971	26,882	1974	31,330
1963	8,881	1966	11,990	1969	17,318	1972	28,494	1975	27,906

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
SUMMER SQUASH										
Retail	7,318	5,627	5,067	4,997	3,403	3,728	2,971	2,197	1,984	2,692
Food Service	7,603	8,291	10,690	11,450	7,208	7,390	9,526	9,505	15,342	12,240
Bulk	243	70	2,426	2,377	1,892	2,706	3,030	2,508	3,980	5,878
Other Uses	.....	.....	.....	.....	.....	.....	2,959	984	605	230
TOTAL	15,164	13,988	18,183	18,824	12,503	13,824	18,486	15,194	21,911	21,040
ZUCCHINI										
Retail	1,799	3,347	1,807	3,386	3,041	2,748	2,014	2,035	1,682	2,024
Food Service	5,014	4,455	4,451	6,854	7,361	6,754	8,266	6,727	15,240	16,391
Bulk	7,193	4,109	8,873	8,175	16,676	9,993	2,015	18,968	18,229	17,469
Other Uses	2,160	2,007	2,063	4,359	4,245	4,830	5,956	3,909	8,117	5,814
TOTAL	16,166	13,918	17,194	22,774	31,323	24,325	18,251	31,639	43,268	41,698
ALL TYPES										
Retail	9,117	8,974	6,874	8,383	6,444	6,476	4,985	4,232	3,666	4,716
Food Service	12,617	12,746	15,141	18,304	14,569	14,144	17,792	16,232	30,582	28,631
Bulk	7,436	4,179	11,299	10,552	18,568	12,699	5,045	21,476	22,209	23,347
Other Uses	2,160	2,007	2,063	4,359	4,245	4,830	8,915	4,893	8,722	6,044
TOTAL ALL	31,330	27,906	35,377	41,598	43,826	38,149	36,737	46,833	65,179	62,738

ODDS are
that you are
"borrowing" the
ALMANAC

Why not order
a copy of your
own or better
yet a crisp new one
for the "borrowee"

Box 866
Westminster,
Md. 21157
301-876-2052

FROZEN VEGETABLE MIXES

Compiled by The American Frozen Food Institute

Thousands of Pounds

The following vegetable mixes are reported separately and are not included in total industry vegetable production data which represents first freezing, including the mix components.

1971. . . 185,039 1973. . . 161,124 1975. . . 188,470 1977. . . 193,133 1979. . . 221,279 1981. . . 229,081
1972. . . 190,771 1974. . . 209,917 1976. . . 164,575 1978. . . 178,566 1980. . . 237,436 1982. . . 198,624

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
MIXED VEGETABLES										
Retail	89,028	84,504	79,302	85,784	83,397	91,632	102,999	93,180	82,633	97,973
Food Service	37,499	33,363	28,435	37,701	36,707	38,131	41,697	60,689	46,759	51,389
Bulk	1,258	3,426	2,430	9,623	1,771	28,397	27,803	10,737	11,773	7,917
Total	127,785	121,293	110,167	133,108	121,875	158,160	172,499	164,606	141,165	157,279
PEAS & CARROTS										
Retail	31,925	25,308	18,646	23,495	23,840	23,628	24,312	23,178	20,274	21,845
Food Service†	10,431	8,191	8,694	6,822	7,954	6,246	6,346	7,001	6,169	6,232
Bulk†	181	85	96	44	50	2,162	2,550	3,070	3,096	3,161
Total	42,537	33,584	27,436	30,361	31,844	32,036	33,208	33,249	29,539	31,238
PEAS & PEARL ONIONS										
Retail	6,917	1,618	640	1,358	2,116	4,555	4,341	6,236	4,179	5,729
Food Service	1,839	2,074	2,302	2,438	2,935	3,185	3,705	4,024	3,255	2,842
Bulk	.....	.....	.....	.....	.....	.....	.....	.....	(b)	(b)
Total	8,756	3,692	2,942	3,796	5,051	7,740	8,046	10,260	7,434	8,571
STEW VEGETABLES										
Retail	21,470	21,368	16,944	16,836	13,331	15,728	15,624	13,295	12,121	12,230
Food Service	123	829	641	1,422	366	596	1,323	1,071	1,787	2,131
Bulk	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	21,593	22,197	17,585	18,258	13,697	16,324	16,947	14,366	13,908	14,361
SUCCOTASH										
Retail	5,346	4,843	4,186	5,242	3,977	4,637	4,341	4,112	4,032	3,700
Food Service	3,900	2,861	2,259	2,368	2,122	2,382	2,395	2,488	2,546	2,337
Bulk	.....	.....	.....	.....	.....	.....	.....	(a)	(a)	(a)
Total	9,246	7,704	6,445	7,610	6,099	7,019	6,736	6,600	6,578	6,037

† Beginning 1979, 20lb. containers previously included in Food Service are included in bulk. (a) Some containers over 20lb. included with Food Service. Generally Retail includes up to 40 oz. poly; Food Service from 2lb. carton thru 20lb.; Bulk over 20lb.

FROZEN VEGETABLE COMBINATIONS/OR BLENDS

Compiled by The American Frozen Food Institute

Thousands of Pounds

The following combinations are reported separately and are not included in total industry vegetable production data which represents first freezing, including the mix components.

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
CALIFORNIA BLEND (generally includes Broccoli, Cauliflower & Carrots)										
Retail	n.a.	n.a.	n.a.	10,409	10,520	15,808	24,161	20,573	36,778	41,046
Food Service[1]	n.a.	n.a.	n.a.	221	526	466	745	4,038	4,421	7,025
Bulk[1]	n.a.	n.a.	n.a.	1,248	1,574	1,240	3,335	4,458	7,402	10,684
Total	n.a.	n.a.	n.a.	11,878	12,620	17,514	28,241	29,069	48,601	58,755
ITALIAN BLEND (generally includes Cauliflower, Zucchini, Italian gr. beans & onions)										
Retail	n.a.	n.a.	n.a.	6,564	8,500	15,939	12,364	13,841	11,785	15,176
Food Service[1]	n.a.	n.a.	n.a.	2,112	2,734	908	3,730	4,145	3,546	5,655
Bulk[1]	n.a.	n.a.	n.a.	1,507	2,580	2,339	3,255	2,940	4,758	7,314
Total	n.a.	n.a.	n.a.	10,183	13,814	19,186	19,349	20,926	20,089	28,145
ORIENTAL BLEND (generally includes Green Beans, Broccoli, Onions & Mushrooms)										
Retail	n.a.	n.a.	n.a.	26,504	19,490	27,725	21,583	25,719	37,804	39,987
Food Service	n.a.	n.a.	n.a.	1,220	949	1,023	1,758	1,861	4,382	7,513
Bulk	n.a.	n.a.	n.a.	.....	.....	.....	(b)	(b)	(b)	(b)
Total	n.a.	n.a.	n.a.	27,724	20,439	28,748	23,341	27,580	42,186	47,500
WINTER BLEND (generally includes Broccoli & Cauliflower)										
Retail	n.a.	n.a.	n.a.	9,017	5,782	10,319	16,722	9,604	15,656	21,622
Food Service	n.a.	n.a.	n.a.	1,555	1,411	1,613	2,566	3,779	4,469	4,974
Bulk	n.a.	n.a.	n.a.	.....	.....	.....	(b)	(b)	(b)	(b)
Total	n.a.	n.a.	n.a.	10,572	7,193	11,932	19,288	13,383	20,125	26,596
NORTHWEST BLEND (generally includes Corn, Green Beans, sl. Carrots & Peas)										
Total	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2,600	13,248	14,134
MISCELLANEOUS BLENDS										
Total	n.a.	n.a.	n.a.	102,609	112,497	91,858	110,871	141,991	81,745	76,144

[1] 20lb. included with Bulk. n.a. Not available. (b) Included with Food Service (2½lb. cartons).

TOTAL U.S. FROZEN FRUIT AND BERRY PACKS

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942... 194,643	1948... 369,723	1954... 522,990	1960... 659,718	1966... 663,570	1972... 612,062
1943... 187,267	1949... 354,021	1955... 659,787	1961... 704,926	1967... 641,813	1973... 650,164
1944... 323,886	1950... 472,173	1956... 694,327	1962... 668,118	1968... 728,457	1974... 602,104
1945... 427,038	1951... 415,945	1957... 671,374	1963... 619,514	1969... 678,283	1975... 566,825
1946... 519,093	1952... 420,303	1958... 610,387	1964... 795,154	1970... 620,688	1976... 628,513
1947... 343,520	1953... 541,961	1959... 617,576	1965... 653,452	1971... 665,478	1977... 687,409

TOTAL FROZEN FRUIT AND BERRY PACKS BY REGION

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Northeast	61,925	63,782	47,433	40,555	54,407	59,114	64,046	49,980	75,458	59,421
South	22,452	14,142	6,871	11,501	(a)	(a)	(a)	13,504	12,803	(a)
Midwest	172,477	152,812	112,001	172,856	168,602	134,803	156,100	138,792	189,793	125,199
West	345,250	336,089	462,208	462,497	319,917	380,947	433,256	423,647	495,452	499,944
Total	602,104	566,825	628,513	687,409	542,566	574,864	653,402	625,923	773,506	684,564

NORTHEAST: Conn., Maine, Mass., New Jersey, New York, Pennsylvania, and Rhode Island. SOUTH: Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia. MIDWEST: Illinois, Indiana, Michigan, Minnesota, Nebraska, Ohio, and Wisconsin. WEST: Arizona, California, Colo., Hawaii, Idaho, Mont., Ore., Utah, and Wash. (a) Included in Northeast.

FROZEN FRUIT AND BERRY PACK BY COMMODITY

Product	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Apples	99,180	89,704	118,759	97,204	68,337	60,827	69,109	105,893	100,378	75,576
Apricots	11,848	15,886	15,008	15,749	11,814	16,941	10,409	13,606	16,766	14,077
Cherries, R.S.P...	137,976	126,073	84,113	154,600*	126,300*	116,300*	129,009	85,848	159,191	105,518
Cherries, Sweet..	8,890	6,712	12,386	13,011	18,362	13,262	10,776	14,209	17,206	17,303
Grapes & Pulp ...	2,897	(a)	1,723	4,892	4,529	2,264	2,178	2,901	8,442	10,006
Peaches	59,058	40,273	65,101	69,323	40,814	62,510	56,274	59,612	56,714	56,454
Plums & Prunes .	6,315	5,236	4,977	3,594	2,774	5,649	6,195	4,348	5,631	2,646
Purees, Non Cit .	5,311	5,983	16,171	16,833	16,338	12,251	8,913	13,128	20,268	16,169
Blackberries	21,107	20,892	22,774	23,352	19,579	14,823	20,874	16,997	16,283	14,581
Blueberries	24,393	24,572	26,261	14,750	27,992	31,485	36,426	50,141	46,464	43,528
Boysenberries ...	5,093	4,815	4,094	3,836	3,048	2,732	4,678	3,627	5,101	3,549
Currants	630	543	1,123	765	654	475	461	330	555	(a)
Loganberries	1,877	2,954	2,371	3,427	2,089	1,276	1,905	1,552	1,665	2,223
Olallie berries ...	2,936	1,880	(a)	(a)	2,886	3,082	3,646	374	(a)	(a)
Raspberries, B ..	1,784	1,986	1,720	1,766	1,453	3,907	2,786	3,368	4,320	5,953
Raspberries, R ..	20,323	24,666	20,841	23,222	19,742	19,611	18,640	22,811	22,397	18,679
Strawberries	170,371	183,895	216,153	220,391	159,834	190,572	253,072	210,558	272,676	292,662
Misc. Fru & Ber .	22,115	10,755	14,938	20,694	16,021	16,897	18,051	16,620	19,449	5,640
Total	602,104	566,825	628,513	687,409*	542,566*	574,864*	653,402	625,923	773,506	684,564

*Revised. (a) Included with Miscellaneous.

FROZEN APPLE PACKS IN THE U.S.

Thousands of Pounds

1942.... 15,110	1948.... 27,552	1954.... 60,094	1960.... 69,853	1966.... 94,352	1972... 130,377
1943.... 27,810	1949.... 52,268	1955.... 72,756	1961.... 80,117	1967.... 97,634	1973... 135,086
1944.... 52,391	1950.... 48,013	1956.... 86,956	1962.... 65,874	1968... 117,218	1974.... 99,180
1945.... 92,985	1951.... 28,772	1957.... 69,225	1963.... 75,429	1969... 122,293	1975.... 89,704
1946.... 78,220	1952.... 37,649	1958.... 67,407	1964.... 86,893	1970... 100,370	1976... 118,759
1947.... 28,573	1953.... 42,356	1959.... 72,313	1965.... 93,392	1971.... 96,999	1977.... 97,204

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
BY REGION										
Northeast	29,110	38,073	19,090	8,735	11,188	11,529	13,882	21,191	37,101	21,446
South	12,816	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Midwest	57,254	51,631	32,641	31,062	41,380	29,170	29,101	40,202	37,920	30,240
West	(b)	(b)	67,028	57,407	15,769	20,128	26,126	44,500	25,357	23,890
SIZE CLASSIFICATION										
20 lb. and less ...	751	1,060	43,513	42,959	4,437	5,310	8,545	4,261	6,080	11,118
25 to 28 lb........	8,015	8,438	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
30 lb.	60,658	59,434	53,353	42,745	44,091	34,240	41,760	67,208	72,255	44,420
32 to 60 lb........	9,617	5,240	11,368	4,763	6,937	4,173	3,352	7,103	4,058	4,750
I Q F	19,437	14,981	10,238	6,737	12,036	14,307	15,452	21,707	17,985	17,039
Barrels	702	551	287	(d)	836	2,797	(d)	5,614	(d)	[1](1,751)
Total Pack	99,180	89,704	118,759	97,204	68,337	60,827	69,109	105,893	100,378	75,576

(a) Included in Northeast. (b) Included in Midwest. (c) Included in 20 lb. and less. (d) Included in IQF. [1]Deficit attributable to previous year carryover.

FROZEN R.S.P. CHERRY PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	41,820	1948	87,798	1954	86,695	1960	129,029	1966	87,367	1972	145,408
1943	23,005	1949	70,989	1955	114,465	1961	186,440	1967	97,792	1973	109,368
1944	55,059	1950	104,459	1956	88,734	1962	137,293	1968	141,515	1974	137,976
1945	16,144	1951	99,282	1957	130,571	1963	81,644	1969	140,688	1975	126,073
1946	88,061	1952	61,867	1958	86,195	1964	202,522	1970	121,271	1976	84,113
1947	67,002	1953	115,242	1959	107,447	1965	146,355	1971	159,408	1977	154,600

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
BY REGION										
Northeast	12,675	15,139	8,999	8,146	12,789	21,470	16,466	10,545	14,734	13,726
Midwest	115,204	99,850	57,511	134,040	100,948	80,356	98,002	60,416	126,006	63,947
West	10,097	11,084	17,603	12,414	12,563	14,474	14,541	14,887	18,451	27,845
SIZE CLASSIFICATION										
15 lb. & less	819	1,546	595	1,510	(b)	(b)	(b)	(b)	(b)	(b)
25 to 30 lb.	122,438	112,760	72,732	132,819	113,240	97,982	105,031	65,579	124,178	85,449
31 lb & over*	11,608	9,833	10,786	20,271	13,060	18,318	23,978	20,269	35,013	20,069
Barrels	3,111	1,934	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Total Pack	137,976	126,073	84,113	154,600	126,300	116,300	129,009	85,848	159,191	105,518

*Includes I.Q.F. (a) Included in 31 lb. & over. (b) Included in 25 to 30 lb.

FROZEN PEACH PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	13,801	1948	13,598	1954	36,380	1960	72,928	1966	65,190	1972	46,316
1943	17,009	1949	23,235	1955	50,636	1961	60,774	1967	73,358	1973	81,388
1944	45,563	1950	25,791	1956	45,481	1962	53,570	1968	82,035	1974	59,058
1945	103,634	1951	32,380	1957	44,462	1963	65,607	1969	53,572	1975	40,273
1946	65,140	1952	35,454	1958	43,478	1964	76,250	1970	47,471	1976	65,101
1947	27,034	1953	32,171	1959	47,259	1965	59,453	1971	59,924	1977	69,323

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
BY REGION										
West	51,118	35,826	58,845	64,766	38,191	n.a.	n.a.	n.a.	54,356	n.a.
Other	7,940	4,447	6,256	4,557	2,623	n.a.	n.a.	n.a.	2,358	n.a.
SIZE CLASSIFICATION										
Retail	4,173	(a)	(a)	4,516	1,528	(a)	(a)	(a)	(a)	(a)
Food Service										
10 lb & less	5,624	3,648	7,575	5,118	5,294	8,824	7,518	8,542	8,509	9,290
30 lb	14,743	3,947	4,348	1,784	2,772	5,281	2,168	6,539	5,090	1,254
32 lb	17,066	12,475	17,850	23,107	5,254	13,490	12,069	11,184	12,519	14,347
Other	17,452	20,203	35,328	34,798	25,966	34,915	34,519	33,347	30,596	31,563
Total Pack	59,058	40,273	65,101	69,323	40,814	62,510	56,274	59,612	56,714	56,454

(a) Included with 10 lb. & less.

FROZEN BLACKBERRY PACKS IN THE U.S.

(All varieties except Olallie Berries)

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	8,229	1948	9,745	1954	14,156	1960	26,970	1966	25,812	1972	21,164
1943	8,310	1949	15,186	1955	16,539	1961	22,562	1967	20,722	1973	8,249
1944	16,173	1950	8,973	1956	12,845	1962	22,532	1968	22,381	1974	21,107
1945	21,503	1951	14,574	1957	19,157	1963	20,675	1969	27,184	1975	20,892
1946	19,750	1952	10,628	1958	13,604	1964	23,851	1970	29,186	1976	22,774
1947	14,510	1953	17,966	1959	15,770	1965	23,251	1971	27,536	1977	23,352

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
SIZE CLASSIFICATION										
28 & 30 lb.	4,495	4,117	5,909	7,973	4,624	3,140	8,987	6,077	6,056	3,660
I.Q.F.	3,635	6,714	5,365	4,452	4,777	2,261	2,804	6,805	6,438	5,004
Other	429	(a)	1,043	1,064	(a)	758	415	2,845	684	2,853
Barrels	12,548	10,061	10,457	9,863	10,178	8,664	8,668	1,270	3,105	3,064
Total Pack	21,107	20,892	22,774	23,352	19,579	14,823	20,874	16,997	16,283	14,581

(a) Included in Barrels.

FROZEN BLUEBERRY PACKS IN THE U. S.

Thousands of Pounds

1942	1,716	1948	7,661	1954	20,971	1960	25,230	1966	35,403	1972	30,932
1943	2,700	1949	14,036	1955	21,020	1961	21,990	1967	31,828	1973	44,376
1944	4,963	1950	10,900	1956	19,639	1962	26,452	1968	27,750	1974	24,393
1945	7,829	1951	13,921	1957	24,446	1963	25,767	1969	37,663	1975	24,572
1946	10,240	1952	9,848	1958	15,982	1964	30,574	1970	21,836	1976	26,261
1947	5,407	1953	13,988	1959	16,393	1965	27,981	1971	30,441	1977	14,750

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
BY REGION										
Northeast*	13,715	18,596	16,315	9,954	19,777	16,671	16,202	21,372	26,427	21,747
Midwest	9,366	4,615	8,685	3,567	6,560	12,854	18,189	25,927	16,172	17,686
West	1,312	1,361	1,261	1,229	1,655	1,960	2,035	2,842	3,865	4,095
SIZE CLASSIFICAT										
10 lb. & less	3,543	2,076	1,510	1,430	1,167	1,367	877	2,860	3,652	3,422
20 lb.	1,666	1,852	(b)	363	319	1,082	672	766	(a)	(a)
30 lb.	13,114	13,919	17,744	9,283	13,683	17,019	21,994	31,981	34,888	35,237
Other (over 10 lb)	3,370	2,694	2,870	1,944	2,404	655	1,407	3,339	6,481	573
I.Q.F.	4,091	4,373	(b)	2,573	6,453	7,472	9,759	6,231	4,079	4,814
Barrels	(1,391)	(342)	4,137	(843)	3,966	3,890	1,717	4,964	(2,636)	(518)
Total Pack	24,393	24,572	26,261	14,750	27,992	31,485	36,426	50,141	46,464	43,528

(a) Included in "Other (over 10 lb.)." (b) Included in barrels. *Includes small southern pack.

FROZEN RED RASPBERRY PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	14,206	1948	23,198	1954	23,502	1960	28,041	1966	31,575	1972	20,485
1943	14,608	1949	25,682	1955	25,730	1961	23,127	1967	27,394	1973	26,625
1944	13,117	1950	20,439	1956	9,184	1962	27,631	1968	23,078	1974	20,323
1945	13,255	1951	19,414	1957	30,365	1963	31,441	1969	27,657	1975	24,666
1946	23,905	1952	18,365	1958	24,463	1964	25,335	1970	25,409	1976	20,841
1947	25,401	1953	24,895	1959	24,691	1965	27,631	1971	24,467	1977	23,222

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
SIZE CLASSIFICATION										
Retail	5,403	7,394	4,805	5,165	4,042	4,051	3,149	3,852	4,739	4,504
Food Service	944	1,007	248	430	426	845	515	515	274	802
Bulk	13,976	16,265	15,788	17,627	15,274	14,715	14,976	18,444	17,384	13,373
Total Pack	20,323	24,666	20,841	23,222	19,742	19,611	18,640	22,811	22,397	18,679

FROZEN STRAWBERRY PACKS IN THE U.S.

Compiled by the American Frozen Food Institute

Thousands of Pounds

1942	63,776	1948	160,077	1954	221,446	1960	217,477	1966	236,492	1972	146,842
1943	29,829	1949	107,600	1955	272,970	1961	222,694	1967	213,340	1973	168,552
1944	34,826	1950	192,732	1956	312,293	1962	234,620	1968	213,275	1974	170,371
1945	36,917	1951	157,729	1957	259,262	1963	234,440	1969	178,693	1975	183,895
1946	78,059	1952	200,302	1958	261,529	1964	252,646	1970	201,572	1976	216,153
1947	109,036	1953	225,963	1959	248,227	1965	191,613	1971	199,399	1977	220,391

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
BY REGION										
South & Midwest*	*9,760	*4,739	*6,928	*6,904	6,944	6,698	14,814	7,195	4,225	7,315
Northwest	53,620	63,299	65,803	46,599	42,515	52,141	60,644	59,235	68,875	90,638
California	106,991	115,857	143,422	166,888	110,375	131,733	177,614	144,128	199,576	194,709
BY STYLE										
Whole	75,685	84,336	110,294	105,933	74,545	82,994	137,380	96,770	117,277	129,441
Sliced	94,686	99,559	105,859	114,458	85,289	107,578	115,692	113,788	155,399	163,221
Total	170,371	183,895	216,153	220,391	159,834	190,572	253,072	210,558	272,676	292,662
SIZE CLASSIFICATION†										
Retail	75,559	72,132	54,067	71,479	55,423	61,268	66,675	49,126	66,457	55,852
Food Service	14,517	18,827	19,485	22,054	14,330	23,766	23,953	29,644	35,494	51,005
Bulk	80,295	92,936	142,601	126,858	90,081	105,538	162,444	131,788	170,725	185,805
Total Pack	170,371	183,895	216,153	220,391	159,834	190,572	253,072	210,558	272,676	292,662

*Includes production in New York thru 1981. †10 lb. packages are classified Bulk.

FROZEN CONCENTRATED CITRUS JUICES

Source: Florida Canners Association and American Frozen Food Institute.

Thousands of Gallons Concentrated (Unreconstituted) Basis

Year	Orange	Grapefruit	Lemon	Grapefruit Orange	Lemonade	Tangerine	Limeade
1948-49	12,196	116	n.a.	112	n.a.	n.a.	n.a.
1949-50	25,137	1,665	91	1,336	1,702	n.a.	n.a.
1950-51	34,938	188	205	245	3,437	n.a.	n.a.
1951-52	47,743	1,098	317	536	5,751	349	n.a.
1952-53	51,264	1,226	574	480	8,628	551	n.a.
1953-54	66,978	1,677	1,316	965	9,845	443	n.a.
1954-55	65,481	1,155	908	561	8,268	877	992
1955-56	69,592	2,542	854	954	10,388	619	1,320
1956-57	72,455	2,949	1,691	597	10,031	793	684
1957-58	64,000	3,330	233*	507	11,850*	141	438
1958-59	79,981	4,952	2,216	690	12,807	1,152	885
1959-60	77,999	1,639	1,150*	284	14,750*	324	845
1960-61	84,374	3,841	93*	256	8,450*	1,407	728
1961-62	115,866	3,163	n.a.	267	n.a.	1,370	822
1962-63	51,648	2,323	n.a.	53	n.a.	205	546
1963-64	53,674	2,573	n.a.	130	n.a.	1,146	1,196
1964-65	88,869	4,000	n.a.	70	n.a.	1,154	656
1965-66	76,695	3,971	n.a.	50	n.a.	715	590
1966-67	131,755	5,485	n.a.	29	n.a.	1,120	503
1967-68	83,697	1,814	n.a.	10	n.a.	582	983
1968-69	103,750	5,920	n.a.	36	n.a.	1,051	852
1969-70	124,947	4,294	n.a.	16	n.a.	785	1,345
1970-71	125,187	6,870	n.a.	18	n.a.	1,090	1,648
1971-72	134,229	8,798	n.a.	22	n.a.	1,220	1,498
1972-73	176,073	8,658	n.a.	3	n.a.	1,072	936
1973-74	171,846	9,026	n.a.	11	n.a.	1,019	1,530
1974-75	178,174	7,847	n.a.	4	n.a.	1,147	1,921
1975-76	186,265	9,316	n.a.	-	n.a.	1,111	1,307
1976-77	158,035	11,258	n.a.	-	n.a.	926	1,272
1977-78	161,203	13,692	n.a.	-	n.a.	1,671	1,853
1978-79	173,053	14,243	n.a.	-	n.a.	1,367	2,624
1979-80	231,257	19,443	n.a.	-	n.a.	2,142	1,851
1980-81	174,537	20,763	n.a.	-	n.a.	1,175	n.a.
1981-82	133,294	21,869	n.a.	-	n.a.	924	n.a.
1982-83	169,577	14,483	n.a.	-	n.a.	334	n.a.

*Trade estimate only - not verified. n.a. Not available. NOTE: Prior to 1965-66, production was reported on a 42° Brix basis; on a 45° Brix basis 1966-67 thru 1979-80; on a 43-40° basis in 1980-81; on a 42° Brix in 1981-82.

NON-CITRUS CONCENTRATES AND JUICES

Thousands of Gallons

1958	814	1963	4,136	1968	431	1973	2,518	1978	6,005
1959	1,911	1964	2,843	1969	1,661	1974	3,479	1979	5,340
1960	1,425	1965	749	1970	1,534	1975	4,389	1980	6,311
1961	1,625	1966	735	1971	2,088	1976	2,512	1981	18,472
1962	2,285	1967	603	1972	2,824	1977	3,003	1982	23,778
								1983	26,022

Processing Times • Temperatures • Procedures

Just a part of the hundreds of topics
Covered in

A COMPLETE COURSE IN CANNING

Over 1,050 Pages 11th Edition — $75.00 Tel. 301-467-3338

THE CANNING TRADE, INC.

2619 Maryland Ave. • Baltimore, Md. 21218 USA

1977 CENSUS REPORT — Continued

tablishments primarily engaged in shucking and packing fresh oysters in nonsealed containers.

The 1977 definition of this industry is the same as that used in the 1967 classification system. However, the SIC number has been changed from 2036. Then too in 1977 some 388 establishments, formerly classified in wholesale and retail trade with a production value of $500 million, were added to this classification. 1977 therefore is not directly comparable with earlier years.

Value of production and other receipts of the Fresh or Frozen Packaged Fish Industry in 1977 totaled $2,664.9 million. This included production of fresh or frozen packaged fish (primary products), valued at $2,382.3 million, production of other products (secondary products) valued at $77.3 million, and miscellaneous receipts (mainly resales) of $205.3 million.

Other industries shipping fresh or frozen packaged fish consisted mainly of industry 2091, Canned and Cured Seafoods, at $58.1 million.

GENERAL STATISTICS BY INDUSTRY—1958-1981—(From Table 1a Census Reports)

Census Year	Companies[1]	Establishments		All Employees		Production Workers			Value added by manufacture	Cost of materials, fuels, etc.	Value of industry Production*	Capital expenditures, new	Gross Value fixed assets
		Total	With 20 employees or more	Number	Payroll	Number	Man-hours	Wages					
	(number)	(number)	(number)	(1,000)	(million dollars)	(1,000)	(millions)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Industry 2032 Canned Specialties													
1981[3]	**n.a.**	**n.a.**	**n.a.**	**24.1**	**373.2**	**19.7**	**38.4**	**286.2**	**1,538.4**	**2,316.9**	**3,851.4**	**68.4**	**n.a.**
1977	172	203	88	26.4	296.5	21.5	42.4	224.3	1,142.6	1,667.8	2,829.2	46.7	n.a.
1972	178	203	88	29.1	217.8	24.0	46.9	167.0	814.6	1,062.3	1,876.6	44.1	557.3
1967	150	175	83	27.2	157.3	22.4	45.0	115.1	602.1	760.5	1,361.9	28.1	412.7
1963	154	173	77	25.2	127.2	20.4	40.7	92.3	540.8	627.5	1,169.3	25.6	311.8
1958	n.a.	107	69	24.2	109.5	19.5	41.6	81.4	340.8	507.0	846.9	16.5	n.a.
Industry 2033 Canned Fruits and Vegetables													
1981[3]	**n.a.**	**n.a.**	**n.a.**	**78.2**	**1,052.5**	**68.2**	**126.7**	**837.3**	**3,253.2**	**5,791.0**	**9,033.4**	**269.8**	**n.a.**
1977	650	900	519	82.6	789.8	72.6	135.0	636.6	2,546.1	4,135.3	6,666.5	147.1	n.a.
1972	765	1,038	621	89.8	559.9	78.8	147.1	447.9	1,625.1	2,414.8	4,043.8	113.1	1,303.3
1967	930	1,223	732	100.0	473.8	88.9	174.0	376.0	1,413.3	2,065.4	3,467.8	101.9	1,053.4
1963	1,135	1,430	836	102.4	382.1	90.7	168.2	303.5	1,029.5	1,707.3	2,742.8	66.6	793.8
1958	n.a.	1,630	923	108.4	340.3	95.8	180.4	269.9	849.9	1,485.6	2,333.9	43.7	n.a.
Industry 2034 Dehydrated Fruits, Vegetables and Soups													
1981[3]	**n.a.**	**n.a.**	**n.a.**	**12.3**	**186.0**	**9.8**	**17.9**	**132.5**	**687.4**	**964.3**	**1,591.7**	**54.7**	**n.a.**
1977	143	184	87	14.4	158.9	11.7	22.1	111.5	485.9	685.3	1,142.4	52.5	n.a.
1972	133	178	88	12.4	84.3	10.6	19.8	63.0	235.7	351.7	607.3	18.9	208.8
1967	134	178	81	11.1	58.0	9.4	18.1	44.0	167.7	255.2	420.8	14.6	140.9
1963	126	176	80	9.2	41.7	7.8	15.3	31.2	115.8	208.9	318.7	16.2	84.8
1958	n.a.	161	67	7.6	28.3	6.6	12.8	21.8	75.5	188.2	273.3	6.7	n.a.
Industry 2035 Pickles, Sauces, Salad Dressings													
1981[3]	**n.a.**	**n.a.**	**n.a.**	**23.5**	**350.0**	**19.4**	**37.2**	**247.3**	**1,437.9**	**2,452.4**	**3,889.9**	**63.2**	**n.a.**
1977	380	438	168	23.5	250.2	18.9	35.7	184.9	986.5	2,008.8	2,996.5	52.3	n.a.
1972	429	495	191	20.8	146.2	16.6	32.4	102.2	428.0	738.7	1,166.7	43.4	285.1
1967	479	527	182	19.8	100.5	16.2	31.7	72.0	295.5	526.6	818.9	14.9	196.8
1963	541	588	184	19.0	83.7	15.4	29.9	58.3	249.4	427.6	677.3	11.0	201.8
1958	n.a.	619	205	19.5	70.5	15.6	29.8	48.5	164.6	361.5	525.3	11.2	n.a.
Industry 2037 Frozen Fruits and Vegetables													
1981[3]	**n.a.**	**n.a.**	**n.a.**	**48.8**	**569.3**	**42.7**	**84.6**	**449.4**	**1,989.9**	**2,817.9**	**4,780.2**	**132.3**	**n.a.**
1977	190	260	193	46.8	425.4	41.5	78.5	344.7	1,822.5	1,972.0	3,297.5	87.7	n.a.
1972	136	209	191	42.8	261.2	37.6	74.5	208.8	694.6	1,150.4	1,848.8	57.8	579.8
†1967	n.a.	607	362	64.3	293.9	56.2	110.3	221.1	759.3	1,306.5	2,066.3	75.1	650.2
†1963	n.a.	650	346	51.8	202.4	44.7	86.7	154.4	550.2	999.5	1,548.7	44.6	409.8
†1958	n.a.	426	263	39.5	126.8	34.1	66.3	96.9	323.8	702.9	1,025.9	21.0	n.a.
Industry 2038 Frozen Specialties													
1981[3]	**n.a.**	**n.a.**	**n.a.**	**40.7**	**556.6**	**31.3**	**62.4**	**367.1**	**1,691.2**	**2,884.0**	**4,573.0**	**103.3**	**n.a.**
1977	331	394	208	41.0	419.8	32.5	63.4	290.9	1,217.7	2,187.5	3,404.4	84.1	n.a.
1972	388	435	211	38.3	264.1	31.8	61.5	190.1	716.3	1,221.3	1,935.5	81.0	516.7
Industry 2091 Canned and Cured Seafoods													
1981[3]	**n.a.**	**n.a.**	**n.a.**	**15.3**	**206.7**	**13.6**	**24.2**	**165.5**	**952.2**	**1,620.1**	**2,587.7**	**37.6**	**n.a.**
1977	215	255	118	16.0	147.0	13.8	25.0	113.4	441.0	1,000.4	1,440.6	28.1	n.a.
1972	258	310	139	16.0	99.0	14.0	24.0	75.0	231.4	580.6	809.8	15.5	136.0
1967	268	320	161	15.8	69.1	14.0	23.6	54.8	181.0	342.0	523.1	9.4	114.2
1963	345	405	196	17.3	66.2	15.5	25.5	52.6	174.6	277.8	452.5	6.3	95.8
1958	n.a.	411	210	17.1	58.1	15.4	25.1	47.5	130.6	258.1	388.6	3.5	n.a.
Industry 2092 Fresh or Frozen Packaged Fish													
1981[3]	**n.a.**	**n.a.**	**n.a.**	**36.7**	**360.6**	**31.9**	**55.2**	**270.8**	**1,021.0**	**2,365.7**	**3,409.3**	**48.9**	**n.a.**
1977[2]	908	980	406	34.3	260.8	29.6	49.7	188.9	700.9	1,962.9	2,664.9	56.8	n.a.
1972	470	518	256	25.0	129.6	21.8	37.7	93.8	287.5	798.1	1,084.4	17.8	162.1
1967	n.a.	497	241	21.4	77.2	19.4	32.8	60.0	164.9	393.8	557.4	8.7	n.a.
1963	528	547	255	20.1	56.5	17.9	32.1	44.6	118.5	272.7	391.2	6.1	53.6
1958	n.a.	446	226	17.6	41.4	15.6	26.2	32.3	83.5	226.9	310.1	3.7	n.a.

[1] For the Census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.
[2] Not comparable with earlier years. See text "Description of Industries". [3] 1981 data from 1981 Annual Survey "Statistics for Industry Groups and Ind." n.a. - Not available. *Reflects value not only of primary activities of the establishments, which determine their industry classification, but also all secondary activities performed in the same establishments. Value of shipments (not production) reflected in figures for Industry 2034. †Old SIC basis, includes industry 2038 Frozen Specialties.

1977 CENSUS REPORT — Continued

SELECTED OPERATING RATIOS—1958-1977 (From Table 1b Census Reports)

Census Year	Payroll per employee (dollars)	Assets per employee (dollars)	Production workers as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as % of value of shipments (percent)	Cost of materials &payroll as % of value of shipments (percent)	Assets as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of Value added (percent)	added per production worker hour (dollars)
Industry 2032, Canned Specialties											
1977	11,227	n.a.	81	1,970	5.29	59	70	n.a.	43,271	25	26.96
1972	7,484	19,151	82	1,954	3.56	56	68	29	27,993	26	17.36
1967	5,783	15,172	92	2,008	2.55	55	67	30	22,136	26	13.38
1963	5,047	12,373	80	1,995	2.26	53	64	26	21,460	23	13.28
1958	4,527	n.a.	81	2,132	1.96	60	73	n.a.	14,093	32	8.20
Industry 2033, Canned Fruits and Vegetables											
1977	9,559	n.a.	87	1,860	4.71	62	73	n.a.	30,819	31	18.85
1972	6,234	14,513	87	1,866	3.04	59	73	32	18,096	34	11.04
1967	4,738	10,534	88	1,957	2.16	59	73	30	14,133	33	8.12
1963	3,731	7,751	88	1,854	1.80	62	76	28	10,053	37	6.12
1958	3,139	n.a.	88	1,882	1.50	64	78	n.a.	7,839	40	4.71
Industry 2034, Dehydrated Fruits, Vegetables, And Soups											
1977	10,687	n.a.	81	1,891	5.04	59	73	n.a.	33,733	31	21.99
1972	6,798	16,838	85	1,867	3.18	57	71	34	19,008	35	11.90
1967	5,225	12,693	84	1,925	2.43	60	74	33	15,108	34	9.26
1963	4,532	9,217	84	1,961	2.03	65	78	26	12,586	36	7.56
1958	3,729	n.a.	87	1,925	1.70	69	79	n.a.	9,939	38	5.91
Industry 2035, Pickles, Sauces, And Salad Dressings											
1977	10,623	n.a.	80	1,891	5.17	66	75	n.a.	41,894	25	27.61
1972	7,028	13,706	79	1,951	3.15	63	75	24	20,576	34	13.20
1967	5,075	9,939	81	1,956	2.27	64	76	24	14,924	34	9.32
1963	4,405	10,621	81	1,941	1.94	63	75	30	13,126	33	8.34
1958	3,615	n.a.	80	1,907	1.63	69	82	n.a.	8,442	43	5.53
Industry 2037, Frozen Fruits and Vegetables											
1977	9,110	n.a.	88	1,890	4.38	59	72	n.a.	28,289	32	16.83
1972	6,102	13,546	87	1,931	2.80	62	76	31	16,228	37	9.32
*1967	4,576	n.a.	87	1,962	2.08	63	77	n.a.	11,838	39	6.90
*1963	3,911	n.a.	86	1,939	1.78	65	78	n.a.	10,632	37	6.35
*1958	3,208	n.a.	86	1,941	1.46	69	81	n.a.	8,191	39	4.89
Industry 2038, Frozen Specialties											
1977	10,241	n.a.	79	1,952	4.58	64	76	n.a.	29,709	34	19.19
1972	6,895	13,490	83	1,933	3.09	63	76	26	18,702	36	11.64
Industry 2091, Canned and Cured Seafoods											
1977	9,185	n.a.	86	1,803	4.54	69	79	n.a.	27,556	33	17.67
1972	6,187	8,500	87	1,714	3.12	71	83	16	14,462	42	9.64
1967	4,373	7,227	88	1,685	2.32	65	78	21	11,455	38	7.66
1963	3,826	5,537	89	1,645	2.06	61	76	21	10,092	37	6.84
1958	3,386	n.a.	90	1,627	1.89	66	81	n.a.	7,620	44	5.21
Industry 2092, Fresh or Frozen Packaged Fish											
1977	7,608	n.a.	86	1,681	3.80	73	83	n.a.	20,449	37	14.10
1972	5,184	6,484	87	1,729	2.48	73	85	14	11,500	45	7.62
1967	3,607	n.a.	91	1,690	1.82	70	84	n.a.	7,706	46	5.02
1963	2,810	2,666	89	1,793	1.38	69	84	13	5,895	47	3.69
1958	2,352	n.a.	88	1,680	1.24	73	87	n.a.	4,741	50	3.19

NOTE: For qualifications to data, see footnotes on table 1a. *Includes industry 2038. Figures from 1967 Census Report.

1977 CENSUS REPORT — Continued

Census Report Summary Statistics for the Industry: 1977 (Table 3a)

Item	Unit of measure	Canned special-ties 2032	Canned fruits & vegs 2033	Dehy-drated fruits & veg & soups 2034	Pickles, sauces & salad drsngs 2035	Frozen fruits & vegs 2037	Frozen Special-ties 2038	Canned & cured sea-foods 2091	Fresh or frozen pkgd fish 2092
Primary product specialization ratio[1]	percent	80	90	94	69	89	93	81	97
Coverage ratio[2]	do	89	89	88	86	89	93	96	97
All establishments	number	203	900	184	438	260	394	255	990
With 1 to 19 employees	do	115	381	97	270	67	186	137	584
With 20 to 99 employees	do	36	278	51	109	74	97	84	329
With 100 employees or more	do	52	241	36	59	119	111	34	77
All employees, average for year	1,000	26.4	82.6	14.4	23.5	46.8	41.0	16.0	34.3
Payroll for year, all employees	mil. dol.	296.5	789.8	153.9	250.2	425.9	419.8	147.0	260.8
Production workers:									
Average for year	1,000	21.5	72.6	11.7	18.9	41.5	32.5	13.8	29.6
March	do	20.8	42.9	10.9	16.2	40.0	32.2	11.6	27.3
May	do	19.7	47.9	10.3	17.1	41.9	31.6	12.3	29.3
August	do	24.1	140.9	11.8	25.1	42.2	32.6	17.6	31.8
November	do	21.4	58.5	13.8	17.2	42.1	33.5	13.8	29.8
Hours	millions	42.4	135.0	22.1	35.7	78.5	63.4	25.0	49.7
January to March	do	10.2	20.1	5.0	7.5	17.8	15.7	5.1	10.8
April to June	do	9.4	23.8	5.0	8.4	20.7	15.5	5.8	12.5
July to September	do	12.1	61.7	5.7	11.6	20.1	15.7	8.1	13.8
October to December	do	10.7	29.4	6.4	8.2	20.0	16.5	6.0	12.5
Wages	mil. dol.	224.3	636.6	111.5	184.9	344.7	290.9	113.4	188.9
Cost of materials, etc.	do	1,687.7	4,135.3	685.3	2,003.8	1,972.0	2,187.5	1,000.4	1,962.9
Materials, parts, containers, etc., consumed	do	1,552.0	3,896.6	642.7	1,796.5	1,795.3	1,690.0	733.9	1,725.8
Resales	do	85.9	109.7	6.1	183.5	73.8	449.5	250.4	184.0
Fuels consumed	do	34.7	86.0	24.9	12.9	53.7	14.9	7.9	9.4
Purchased electric energy	do	13.3	38.0	10.8	10.5	41.5	30.9	6.0	19.3
Contract work	do	1.9	4.9	0.8	0.2	7.7	2.2	2.2	24.4
Value of production, including resales	do	2,829.2	6,666.5	1,142.4	2,996.5	3,297.5	3,404.4	1,440.6	2,664.9
Value of resales	do	106.2	136.8	16.2	196.5	78.6	473.1	254.4	190.8
Value added by manufacture	do	1,142.6	2,546.1	485.9	986.5	1,322.5	1,217.7	441.0	700.9
Manufacturers' inventories:									
Beginning of year	do	508.4	2,062.1	267.0	426.7	640.3	288.9	256.6	313.3
Finished products	do	318.4	1,709.7	116.4	231.1	451.9	132.2	181.6	195.7
Work in process	do	7.5	73.3	46.9	44.3	62.4	6.1	7.6	24.3
Materials, supplies, fuel, etc.	do	182.5	279.1	103.6	151.2	126.0	150.6	67.5	93.3
End of year	do	527.8	2,233.5	281.9	447.8	724.4	322.2	311.1	376.7
Finished products	do	326.2	1,827.6	134.6	247.0	535.4	151.5	224.7	244.0
Work in process	do	8.6	88.2	56.7	38.1	59.5	6.9	8.4	23.1
Materials, supplies, fuel, etc.	do	193.0	317.7	90.6	162.7	129.5	163.8	78.0	109.6
Capital expenditures for plant and equip	do	47.3	168.2	54.3	55.8	95.8	89.9	33.1	60.6
New capital expenditures	do	46.7	147.1	52.5	52.3	87.7	84.1	28.1	56.8
New capital expenditures	do	46.7	147.1	52.5	52.3	87.7	84.1	28.1	56.8
New building and other structures	do	11.2	33.3	15.6	11.7	14.1	18.9	8.9	19.0
New machinery and equipment	do	35.5	113.8	36.9	40.6	73.6	65.2	19.2	37.8
Used capital expenditures	do	0.5	21.0	1.8	3.5	8.2	5.8	4.9	3.8

[1] Represents ratio of primary product shipments to total product shipments (primary and secondary, excluding miscellaneous receipts) for establishments classified in industry. [2] Represents ratio of primary products shipped by establishments classified in industry to total shipments of such products by all manufacturing establishments, wherever classified. [3] Value of shipments.

FUELS AND ELECTRIC ENERGY CONSUMED BY THE INDUSTRY IN 1977

Energy Source & Unit of Measure		2032	2033	2034	2035	2037	2038	2091	2092	TOT. (x)
Natural gas	bil. cu. ft.	8.3	27.1	9.9	3.7	(S)	4.6	1.1	.5	72.9
	mil. dol.	16.0	52.5	18.5	6.6	(S)	7.8	2.0	1.1	137.8
Distillate fuel oil	1,000 bbl.	207.0	635.3	137.8	104.6	(S)	137.2	83.3	162.0	1,900.4
	mil. dol.	3.3	10.2	1.9	1.7	(S)	2.3	1.7	3.0	30.3
Residual fuel oil	1,000 bbl.	776.8	1,011.6	(D)	175.2	(S)	(D)	51.0	20.1	3,217.0
	mil. dol.	11.2	13.8	(D)	2.6	(S)	(D)	.8	.2	43.9
Coal	1,000 s. tons	84.1	(D)	(D)	.....	.....	.....	.....	.....	90.2
	mil. dol.	3.2	(D)	(D)	.....	.....	.....	.....	.....	3.5
Other fuels*	mil. dol.	(D)	(D)	3.0	1.8	(S)	1.9	3.1	3.8	19.0
Total purch. fuels	trillion Btu	17.2	42.9	13.4	6.6	27.1	8.0	3.5	3.7	122.4
	mil. dol.	34.7	85.7	24.7	12.9	52.7	14.7	7.5	8.2	241.1
Elec. energy purch.	mil. kwh.	490.2	1,306.5	512.9	365.8	1,852.6	1,151.9	200.0	430.0	6,309.9
	mil. dol.	13.3	37.9	10.4	10.5	39.3	30.5	5.8	12.0	159.7
Total purch. energy	trillion Btu	18.9	47.4	15.1	7.9	33.4	11.9	4.2	5.2	144.0
	mil. dol.	48.0	123.6	35.1	23.5	92.0	45.2	13.3	20.2	400.9

*Other fuels include coke, purchased steam, liquified petroleum gases, gasoline, and small amounts of miscellaneous fuels. (D) Withheld to avoid disclosing figures for individual companies. (S) Withheld because the estimate did not meet Census publication standards. (X) Sum of Census totals listed for the six 203 industries plus individual Census figures listed for industry's 2091 and 2092. The 203 totals include figures withheld in the individual 203 industry series. All energy sources, except coal, are included in industry's 2091 and 2092.

Source: "Fuels and Electric Energy Consumed," 1977 Census of Manufacturers, Bureau of the Census, MC77-SR-4 (Part 1)(Revised), issued Sept 1980.

1977 CENSUS REPORT — Continued

INDUSTRY STATISTICS BY EMPLOYMENT SIZE OF ESTABLISHMENT: 1977 (Table 4. 1977 Census Reports)

Industry and employment size class	E[1]	All establishments (no.)	All employees		Production workers			Value added by manufacture (million dollars)	Cost of Materials (million dollars)	Value of Production (million dollars)	New capital expenditures (million dollars)	End of year inventories (million dollars)
			Number (1,000)	Payroll (million dollars	Number (1,000)	Hours (millions)	Wages (million dollars)					
Industry 2032, Canned Specialties												
Total	-	203	26.4	296.5	21.5	42.4	224.3	1,142.6	1,687.7	2,829.2	46.7	527.8
Establishments with an averageof—												
1 to 4 employees	E9	71	0.1	1.2	0.1	0.2	0.9	4.0	5.6	9.6	0.2	1.6
5 to 9 employees	E7	24	0.2	1.5	0.1	0.2	1.1	5.0	7.0	12.0	0.2	1.9
10 to 19 employees	E2	20	0.3	2.7	0.2	0.4	1.8	8.0	11.8	19.8	0.4	2.7
20 to 49 employees	E2	22	0.6	6.5	0.5	1.0	4.4	24.6	32.6	57.2	1.3	12.2
50 to 99 employees	-	14	1.0	7.5	0.7	1.4	5.5	27.4	38.2	65.6	1.8	9.8
100 to 249 employees	-	24	4.0	41.0	3.2	6.4	29.1	125.9	247.5	373.0	8.2	76.8
250 to 499 employees	-	16	5.7	61.0	4.6	9.0	45.7	317.6	466.9	784.9	(15.6)	156.5
500 to 999 employees	-	5	3.6	36.3	3.1	6.4	28.9	113.7	147.4	261.3	(D)	45.9
1,000 to 2,499 employees	-	7	10.8	138.7	8.9	17.4	106.9	516.5	730.6	1,245.8	19.1	220.3
Covered by administrative records[2]	E0	87	0.3	3.2	0.3	0.5	2.3	10.2	14.6	24.8	0.3	4.2
Industry 2033, Canned Fruits And Vegetables												
Total	-	900	82.6	789.8	72.6	135.0	636.6	2,546.1	4,135.3	6,666.5	147.1	2,233.5
Establishments with an averageof—												
1 to 4 employees	E7	200	0.3	3.0	0.3	0.5	2.3	8.7	14.0	22.8	0.7	7.6
5 to 9 employees	E7	78	0.5	5.1	0.5	0.9	4.0	15.4	23.9	39.1	1.3	13.5
10 to 19 employees	E6	103	1.4	13.5	1.2	2.2	9.8	38.6	67.8	106.3	2.9	32.2
20 to 49 employees	E1	142	4.8	43.8	4.1	7.5	31.7	118.8	247.7	364.7	10.8	91.7
50 to 99 employees	-	136	10.1	87.1	8.7	16.5	65.7	245.9	515.1	760.5	23.2	235.7
100 to 249 employees	-	145	22.2	203.1	19.0	36.6	157.8	665.2	1,153.6	1,818.8	41.7	626.2
250 to 499 employees	-	75	26.8	270.0	24.4	44.4	229.8	884.8	1,360.9	2,245.9	(66.5)	827.0
500 to 999 employees	-	18	11.0	110.1	9.8	18.3	94.4	359.5	511.5	861.8	(D)	308.8
1,000 to 2,499 employees	-	3	5.4	54.2	4.6	8.1	41.1	209.2	240.8	446.6	(D)	90.8
Covered by administrative records[2]	E0	274	1.6	14.0	1.4	2.5	11.2	41.2	67.6	108.7	2.6	36.1
Industry 2034, Dehydrated Fruits, Vegetables, And Soups												
Total	-	184	14.4	153.9	11.7	22.1	111.5	485.9	685.3	1,142.4	52.5	281.9
Establishments with an averageof—												
1 to 4 employees	E7	44	0.1	0.8	0.1	0.1	0.6	0.9	3.1	5.1	0.2	1.3
5 to 9 employees	E5	17	0.1	1.2	0.1	0.2	0.9	4.2	6.7	10.6	0.4	2.6
10 to 19 employees	E6	36	0.5	4.9	0.4	0.8	3.7	12.2	20.6	32.6	1.4	9.8
20 to 49 employees	-	29	1.0	9.6	0.8	1.5	6.5	29.8	78.8	109.5	2.6	21.6
50 to 99 employees	-	22	1.7	16.3	1.4	2.8	12.2	52.2	62.7	116.4	5.5	25.8
100 to 249 employees	-	19	3.0	33.6	2.4	4.6	22.6	97.6	153.7	249.2	4.9	54.7
250 to 499 employees	-	11	4.2	42.6	3.4	5.9	31.3	123.2	156.5	273.0	21.9	59.2
500 to 999 employees	-	6	3.9	44.9	3.0	6.2	33.7	165.9	203.3	346.0	15.7	107.0
Covered by administrative records[2]	E0	55	0.3	3.2	0.3	0.5	2.3	10.1	16.3	26.5	1.3	7.1
Industry 2035, Pickles, Sauces, And Salad Dressings												
Total	-	438	23.5	250.2	18.9	35.7	184.9	986.5	2,003.8	2,996.5	52.3	447.8
Establishments with an averageof—												
1 to 4 employees	E9	141	0.2	2.0	0.2	0.3	1.5	5.8	11.2	17.1	0.4	2.8
5 to 9 employees	E6	61	0.4	4.3	0.3	0.7	2.9	13.4	24.9	38.3	0.9	5.1
10 to 19 employees	E2	68	0.9	9.6	0.7	1.3	6.0	37.5	55.9	93.2	1.7	13.2
20 to 49 employees	E1	68	2.2	23.1	1.7	3.1	14.4	75.6	122.9	199.1	4.3	27.4
50 to 99 employees	-	41	2.9	30.8	2.2	4.1	18.6	129.5	208.7	339.3	9.3	36.7
100 to 249 employees	-	33	5.5	53.4	4.4	8.8	36.9	209.6	273.4	484.1	12.2	81.0
250 to 499 employees	-	21	(11.4)	(127.1)	(9.4)	(17.4)	(104.6)	(515.2)	(1,306.7)	(1,825.6)	(23.6)	(281.7)
500 to 999 employees	-	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Covered by administrative records[2]	E0	192	0.7	7.1	0.6	1.1	5.3	20.9	37.9	58.9	1.4	9.7
Industry 2037, Frozen Fruits And Vegetables												
Total	-	260	46.8	425.9	41.5	78.5	344.7	1,322.5	1,972.0	3,297.5	87.7	724.4
Establishments with an averageof—												
1 to 4 employees	E3	28	(Z)	0.3	(Z)	0.1	0.2	1.5	1.4	3.0	0.1	0.5
5 to 9 employees	E7	17	0.1	1.2	0.1	0.2	0.9	3.6	5.6	9.1	0.2	1.7
10 to 19 employees	E1	22	0.3	2.9	0.2	0.4	2.1	14.6	16.9	31.5	0.6	6.4
20 to 49 employees	-	41	1.4	13.5	1.1	2.2	9.3	47.8	85.2	132.6	3.1	22.7
50 to 99 employees	-	33	2.1	19.7	1.8	3.5	15.0	60.2	112.7	172.2	3.3	44.4
100 to 249 employees	-	59	9.2	85.6	8.0	16.1	67.8	243.3	455.0	702.3	17.2	161.0
250 to 499 employees	-	37	14.0	126.6	12.8	23.4	105.9	462.2	613.9	1,075.0	30.0	226.5
500 to 999 employees	-	17	12.2	105.8	11.0	19.9	89.0	316.2	410.5	727.4	16.8	174.1
1,000 to 2,499 employees	-	6	7.3	70.3	6.3	12.7	54.5	173.2	270.8	444.3	15.3	87.2
Covered by administrative records[2]	E0	33	0.2	2.1	0.2	0.4	1.7	6.4	8.7	15.1	0.4	3.3

See notes on following page.

1977 CENSUS REPORT — Continued

INDUSTRY STATISTICS BY EMPLOYMENT SIZE OF ESTABLISHMENT: 1977—Table 4 Continued

Industry and employment size class	E[1]	All establishments (no.)	All employees		Production workers			Value added by manufacture (million dollars)	Cost of Materials (million dollars)	Value of Production (million dollars)	New capital expenditures (million dollars)	End of year inventories (million dollars)
			Number (1,000)	Payroll (million dollars	Number (1,000)	Hours (millions)	Wages (million dollars)					
Industry 2038, Frozen Specialties												
Total	-	394	41.0	419.8	32.5	63.4	290.9	1,217.7	2,187.5	3,404.4	84.1	322.2
Establishments with an average of—												
1 to 4 employees	E8	90	0.1	1.2	0.1	0.2	0.9	3.3	6.1	9.4	0.2	0.8
5 to 9 employees	E9	52	0.4	3.3	0.3	0.6	2.4	7.9	14.7	22.6	0.7	2.1
10 to 19 employees	E5	44	0.6	5.5	0.5	0.9	3.9	14.0	23.7	37.7	1.1	3.4
20 to 49 employees	E1	50	1.6	15.4	1.3	2.5	10.4	42.1	66.7	108.8	3.9	9.7
50 to 99 employees	E1	47	3.2	29.7	2.6	5.1	19.0	79.0	120.8	199.8	9.3	19.3
100 to 249 employees	-	69	10.5	104.2	8.3	15.9	69.6	292.7	447.3	739.4	20.3	72.4
250 to 499 employees	-	24	8.8	91.5	7.2	13.9	67.2	308.2	456.9	764.8	17.5	63.8
500 to 999 employees	-	13	9.4	101.9	7.4	14.8	71.0	353.7	751.5	1,105.4	15.3	93.
1,000 to 2,499 employees	-	5	6.4	67.2	4.8	9.6	46.4	116.8	299.9	416.5	15.7	56.
Covered by administrative records[2]	E0	140	0.8	7.1	0.6	1.2	5.2	17.7	33.1	50.8	1.3	4.
Industry 2091, Canned And Cured Seafoods												
Total	-	255	16.0	147.0	13.8	25.0	113.4	441.0	1,000.4	1,440.6	28.1	311.1
Establishments with an average of—												
1 to 4 employees	E6	72	0.1	0.9	0.1	0.2	0.7	3.5	7.3	10.7	0.1	1.
5 to 9 employees	E6	36	0.2	2.0	0.2	0.3	1.5	6.0	10.0	16.0	0.2	2.7
10 to 19 employees	E2	29	0.4	3.4	0.3	0.5	2.4	17.0	25.4	42.4	0.6	7.0
20 to 49 employees	-	50	1.5	14.4	1.3	2.3	10.2	47.9	102.3	150.1	2.0	33.4
50 to 99 employees	-	34	2.5	20.7	2.2	3.7	16.1	57.9	108.0	166.5	4.7	34.0
100 to 249 employees	-	23	3.0	25.1	2.6	4.2	19.4	76.1	120.5	196.7	5.2	32.0
250 to 499 employees	-	7	2.2	18.8	2.1	3.7	15.5	47.2	119.9	166.4	4.1	44.8
500 to 999 employees	-	1	(6.0)	(61.6)	(5.1)	(10.0)	(47.5)	(185.3)	(507.0)	(691.8)	(11.2)	(155.5)
1,000 to 2,499 employees	-	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2,500 employees or more	-	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Covered by administrative records[2]	E0	80	0.3	2.4	0.3	0.5	1.9	8.7	13.9	22.6	0.3	3.7
Industry 2092, Fresh Or Frozen Packaged Fish												
Total	-	990	31.3	260.8	29.6	49.7	188.9	700.9	1,962.9	2,664.9	56.8	376.7
Establishments with an average of—												
1 to 4 employees	E4	229	0.3	2.7	0.3	0.5	2.1	7.8	23.1	31.0	0.5	3.2
5 to 9 employees	E3	190	1.1	8.7	0.9	1.7	6.1	23.6	62.9	86.5	1.5	10.9
10 to 19 employees	-	165	2.4	18.4	2.0	3.5	13.0	50.9	134.0	184.9	3.8	24.0
20 to 49 employees	-	218	7.0	54.6	6.1	10.3	38.8	135.4	375.2	510.5	8.7	60.1
50 to 99 employees	-	111	7.3	55.3	6.5	10.3	41.4	132.8	382.8	515.3	15.9	66.2
100 to 249 employees	E1	60	8.9	65.7	7.7	12.4	48.9	184.8	501.4	687.7	16.9	106.3
250 to 499 employees	-	13	4.3	34.2	3.6	6.4	23.4	132.5	342.5	475.2	7.1	76.8
500 to 999 employees	E2	4	2.9	21.3	2.5	4.6	15.1	33.2	140.8	173.9	2.4	29.1
Covered by administrative records[2]	E0	166	0.7	5.7	0.7	1.1	4.1	13.7	38.3	51.9	0.9	6.8

- Represents zero. (D) Withheld to avoid disclosing operations of individual companies. Data for this item are included in figures in parantheses above. (Z) Less than 50 thousand dollars or hours; under 50 employees. [1] Payroll and sales data for small single-unit companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the balance of items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at time data were tabulated. The following symbols are shown where estimated data based on administrative records data account for 10 percent or more of figures shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent, E7—70 to 79 percent; E8—80 to 89 percent; E9—90 to 99 percent; E0—100 percent. [2] Report forms were not mailed to small single-unit companies with up to 20 employees (cutoff varied by industry). Payroll and sales data for 1977 were obtained from administrative records supplied by other agencies of the Federal Government. These data were then used in conjunction with industry averages to estimate the balance of items shown. Data are also included in respective size classes shown. [3] Value of shipments.

1977 CENSUS REPORT — Continued

INDUSTRY PRODUCT ANALYSIS (Table 5B 1977 Census Report)

Value of Production for an Industry and Primary Product Production Specialization and Coverage Ratios: 1977, 1972, and 1967

(An establishment is assigned to an industry based on the production values of products representing largest amount considered primary to an industry. Frequently, establishment production comprises mixtures of products assigned to an industry (primary), those considered primary to other industries (secondary), and receipts for activities such as merchandising or contract work. Colums A-D show this product pattern for an industry, and column E shows primary product specialization ratio. The extent to which an industry's primary products are produced by establishments classified in and out of an industry is shown in columns F-H and coverage ratio is shown in column I.)

Industry and census year			Value of production					Value of primary product production			
			Total (million dollars)	Primary products (million dollars)	Secondary products (million dollars)	Miscellaneous receipts (million dollars)	Primary product specialization ratio Col. B / Col. B&C (percent)	Total made in all industries (million dollars)	Made in this industry (million dollars)	Made in other industries (million dollars)	Coverage ratio Col. B / Col. F (percent)
			A	B	C	D	E	F	G	H	I
2032	Canned specialties	1977	2,829.2	2,173.7	548.8	106.7	80	2,429.0	2,173.7	255.3	89
		1972	1,876.6	1,475.2	354.4	47.0	81	1,629.9	1,475.2	154.7	91
		1967	1,361.9	1,078.1	233.8	50.0	82	1,190.7	1,078.1	112.6	91
2033	Canned fruits and vegetables	1977	6,666.5	5,886.3	623.3	156.9	90	6,621.4	5,886.3	735.1	89
		1972	4,043.3	3,495.7	424.1	124.0	89	3,922.9	3,495.7	427.2	94
		1967	3,467.8	2,987.4	346.3	134.1	90	3,222.3	2,987.4	234.9	93
2034	Dehydrated fruits, vegetables, and soups	1977	[1]1,142.4	[1]1,056.8	[1]65.0	[1]20.6	94	[1]1,200.2	[1]1,056.8	[1]143.4	88
		1972	[1]607.3	[1]553.9	[1]31.0	[1]22.4	95	[1]625.6	[1]553.9	[1]71.7	88
		1967	[1]420.8	[1]389.3	[1]25.3	[1]6.2	94	[1]450.9	[1]389.3	[1]61.6	86
2035	Pickles, sauces, and salad dressings	1977	2,996.5	1,921.7	875.2	199.6	69	2,242.8	1,921.7	321.1	86
		1972	1,166.7	906.9	227.0	32.8	80	1,165.1	906.9	258.2	78
		1967	818.9	634.2	153.6	31.1	81	792.9	634.2	158.7	80
2037	Frozen fruits and vegetables	1977	3,297.5	2,723.7	342.5	231.3	89	3,047.2	2,723.7	323.5	89
		1972	1,848.8	1,502.2	245.4	101.2	86	1,648.7	1,502.2	143.1	91
		[2]1967	2,066.6	1,817.6	162.6	86.4	92	2,020.7	1,817.6	203.1	90
2038	Frozen specialties	1977	3,404.4	2,719.7	201.7	483.1	93	2,911.9	2,719.7	192.2	93
		1972	1,935.5	1,602.8	103.3	229.4	94	1,742.6	1,602.8	139.8	92
2091	Canned and cured seafoods	1977	1,440.6	948.2	236.3	256.1	81	1,025.5	948.2	77.3	96
		1972	809.8	544.7	82.1	183.0	87	587.7	544.7	43.0	93
		1967	523.1	401.9	33.4	87.8	92	421.1	401.9	19.2	95
2092	Fresh or frozen packages fish	[3]1977	2,664.9	2,382.3	77.3	205.3	97	2,459.2	2,382.3	76.9	97
		1972	1,061.6	940.4	34.2	87.0	96	1,016.8	940.4	76.4	92
		1967	557.4	500.3	14.1	43.0	97	529.7	500.3	29.4	94

[1] For industry 2034, figures relate to value of shipments rather than value of production. [2] Includes frozen specialties. [3] Data for 1977 not directly comparable with earlier years. See text "Description of Industries".

1984-85
DIRECTORY
OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

Providing information on 1,891 companies - the ideal source book for food buyers, brokers, importers & exporters, machinery manufacturers, and suppliers to the food industry.

For Immediate Shipment Phone Today!
301—876-7150 $80.00 each

THE CFP DIRECTORY
P.O. Box 550, Westminster, Md. 21157 USA

PRODUCTION BY PRODUCT CLASS AND INDUSTRY: 1977 (From Table 5C 1977 Census Report)

Millions of dollars. Table shows where products of an industry (referred to as primary) are made and what products are made by establishments classified in an industry. Read down an industry column to find what products are produced in an industry. Only those product groups that have at least $2 million in production from establishments classified in one of industries included in this chapter are shown. Read across to determine where products of industries in this chapter are produced. To extent that some of primary products are made in industries not included in this chapter, value of such production is shown in "Other industries" column.

1977 product code	Product group, product class, & misc. receipts	All Industries	Canned Spec. 2032	Canned Fr. & Veg. 2033	Dehydrated Fr. & Veg. 2034[1]	Pickles, etc. 2035	Frozen Fr. & Veg. 2037	Frozen Spec. 2038	Canned & cured fish 2091	Fresh or frozen fish 2092	other Industries
	Total	(X)	2,829.2	6,666.5	1,142.4	2,996.5	3,297.5	3,404.4	1,440.6	2,664.9	(X)
	Primary products	(X)	2,173.7	5,886.3	1,056.8	1,921.7	2,723.7	2,719.7	948.2	2,382.3	(X)
	Secondary products	(X)	548.8	623.3	65.0	875.2	342.5	201.7	236.3	77.3	(X)
	Miscellaneous receipts	(X)	106.7	156.9	20.6	199.6	231.3	483.1	256.1	205.3	(X)
2032	**Canned specialties**	**2,429.0**	**2,173.7**	**137.7**	**(D)**	**42.3**	**-**	**(D)**	**(D)**	**-**	**63.1**
20321	Canned baby foods, except cereal and biscuits	401.3	(D)	(D)	-	-	-	-	-	-	(D)
20323	Canned dry beans	556.5	501.3	46.0	-	-	-	(D)	-	-	(D)
20322 20324 20320	Soups, canned specialty foods, and canned nationality foods, n.s.k.	1,471.2	(D)	(D)	(D)	42.3	(D)	(D)	-	-	38.7
2033	**Canned fruits and vegetables**	**6,621.4**	**275.1**	**5,886.3**	**(D)**	**66.2**	**158.2**	**(D)**	**(D)**	**(D)**	**223.3**
20331	Canned fruits, except baby foods	1,289.3	24.4	1,239.6	-	(D)	10.8	-	-	-	(D)
20332	Canned vegetables, except hominy and mushrooms	1,650.9	73.0	1,543.9	(D)	(D)	22.2	-	-	-	8.5
20333	Canned hominy and mushrooms	149.8	(D)	138.3	-	-	(D)	-	-	-	-
20334	Canned fruit juices, nectars, and concentrates	1,223.4	(D)	947.6	(D)	(D)	113.8	(D)	-	-	152.2
20335	Canned vegetable juices (including mixtures)	251.8	(D)	127.4	-	(D)	(D)	-	-	-	(D)
20336	Catsup and other tomato sauces, pastes, etc.	1,350.0	45.9	1,254.0	-	33.2	(D)	(D)	-	-	(D)
20338	Jams, jellies, and preserves	396.9	(D)	328.4	-	17.1	(D)	-	-	-	38.1
20330	Canned fruits and vegetables, n.s.k.	309.2	-	307.1	-	-	-	-	-	-	2.1
2034	**Dehydrated fruits, vegetables, and soups[1]**	**1,200.2**	**-**	**(D)**	**1,056.8**	**22.3**	**(D)**	**(D)**	**-**	**-**	**78.7**
20341	Dried and dehydrated fruits and vegetables[1]	898.6	-	(D)	828.7	(D)	(D)	(D)	-	-	(D)
20342	Soup mixes, dried (dehydrated or freeze dried)[1]	224.7	-	(D)	(D)	(D)	-	-	-	-	55.0
20340	Dehydrated fruits, vegetables, and soups, n.s.k.[1]	76.9	-	-	(D)	-	-	-	-	-	(D)
2035	**Pickles, sauces, and salad dressings**	**2,242.8**	**(D)**	**59.2.**	**(D)**	**1,921.7**	**-**	**(D)**	**(D)**	**(D)**	**206.7**
20352	Pickles and other pickled products	553.2	(D)	(D)	-	535.3	-	-	-	-	6.9
20353	Meat sauces, except tomato	261.6	(D)	(D)	-	171.3	-	-	-	-	37.1
20354	Mayonnaise, salad dressings, and sandwich spreads	1,292.3	-	29.2	(D)	1,084.5	-	(D)	-	-	162.7
20350	Pickles, sauces, and salad dressings, n.s.k.	135.7	(D)	(D)	-	130.6	-	-	-	-	-
2037	**Frozen fruits and vegetables**	**3,047.2**	**(D)**	**203.9**	**(D)**	**(D)**	**2,723.7**	**59.8**	**-**	**(D)**	**53.9**
20371	Frozen fruits, juices, and ades	1,153.5	-	111.5	-	(D)	1,023.0	(D)	-	-	(D)
20372	Frozen vegetables	1,797.9	(D)	(D)	(D)	-	1,606.2	(D)	-	-	41.0
20370	Frozen fruits and vegetables, n.s.k.	95.8	-	(D)	-	-	94.5	-	-	-	(D)
2038	**Frozen specialties**	**2,911.9**	**(D)**	**(D)**	**(D)**	**-**	**(D)**	**2,719.7**	**(D)**	**(D)**	**84.4**
20381	Frozen pies and other frozen baked goods	770.3	-	-	-	-	-	735.1	-	-	35.2
20382	Frozen dinners, pot pies, and nationality foods	1,297.7	(D)	(D)	(D)	-	(D)	1,224.0	-	-	30.0
20383	Other frozen specialties	718.2	(D)	-	(D)	-	(D)	645.6	-	-	(D)
20380	Frozen specialties, n.s.k.	125.7	-	-	-	-	(D)	115.1	-	-	(D)
20910	**Canned & cured seafood (incl. soup, except frozen)**	**1,025.5**	**(D)**	**-**	**-**	**1.4**	**-**	**-**	**948.2**	**(D)**	**33.3**
2092	**Fresh or frozen Packaged fish[2]**	**2,459.2**	**(D)**	**-**	**-**	**-**	**.7**	**(D)**	**58.1**	**2,382.2**	**(D)**
20922	Fresh packaged fish & other seafood	460.5	-	-	-	-	-	-	(D)	(D)	(D)
20923	Frozen packaged fish, excl. shellfish	744.4	-	-	-	-	-	-	(D)	715.9	(D)
20924	Frozen packaged shellfish & other seafood, incl. soup	887.6	-	-	-	-	-	-	(D)	846.2	8.5
20920	Fresh or frozen packaged fish, n.s.k.	366.8	-	-	-	-	-	-	-	(D)	-
93000 00	**Contract work**	**(X)**	**(D)**	**10.9**	**1.7**	**.3**	**(D)**	**6.9**	**1.5**	**10.8**	**(X)**
99989 00	**RESALES**	**(X)**	**106.2**	**136.8**	**16.2**	**196.5**	**78.6**	**173.1**	**254.1**	**190.8**	**(X)**

(X) not applicable. represents zero. n.s.k. not specified by kind.

[2] Data not directly comparable with earlier years. See text "Description of Industries".

1977 CENSUS REPORT — Continued

VALUE OF PRODUCTION OF SPECIFIED PRODUCTS BY ALL PRODUCERS*

(Source: Census Table 6c - millions of dollars)

Code	Product class	1958	1963	1965[1]	1966[1]	1967	1972	1977	1981[1]
2032	**Canned specialties**	**827.6**	**946.6**	**1,104.2**	**1,165.9**	**1,190.7**	**1,629.9**	**2,429.0**	**3,169.9**
20321	Canned baby foods (except cereal, biscuits, & meat)	185.2	230.8	245.6	237.5	246.3	[4]346.7	[4]401.3	[4]556.2
20323	Canned dry beans	166.9	200.3	245.8	255.9	246.1	305.8	556.5	684.4
20322	Canned soups (not frozen or seafood):								
20324 20320	Canned specialties and Nationality foods n.s.k.	475.5	515.5	612.8	672.5	698.3	977.4	1,471.2	1,929.3
2033	**Canned fruits and veg.**	**2,191.5**	**2,583.8**	**2,797.7**	**3,022.1**	**3,222.3**	**3,922.9**	**6,621.4**	**9,064.9**
20331	Canned fruits (except baby foods)	639.7	721.7	767.8	823.8	818.3	828.6	1,289.3	1,759.3
20332	Canned veg. (except hominy and mushrooms)	638.6	767.6	827.2	882.8	957.5	1,067.1	1,650.9	1,967.2
20333	Canned hominy and mushrooms	34.8	39.0	42.1	43.5	51.6	98.2	149.8	163.4
20334	Canned fruit juices, nectars, and concentrates	294.2	380.5	397.4	443.6	413.5	709.2	1,223.4	2,198.7
20335	Canned veg. juices	93.3	91.1	97.5	94.8	104.2	155.7	251.8	293.8
20336	Catsup and other tomato sauces	245.6	297.9	391.1	449.8	507.7	603.3	1,350.0	1,848.4
20338	Jams, jellies, and preserves	197.9	227.3	236.7	250.9	245.2	280.3	396.9	609.4
20330	Canned fruits and veg., n.s.k.	47.4	58.5	(37.9)	(32.8)	124.3	180.5	309.2	223.7
2034	**Dehydrated fruits, vegetables and soup mixes[3]**	**276.8**	**334.9**	**394.7**	**434.6**	**450.9**	**625.6**	**1,200.2**	**1,722.9**
20341	Dried & dehydr. fruits and veg., (incl. freeze dry) except soup[3]	(NA)	284.5	328.0	365.6	344.9	466.2	898.6	1,397.8
20342	Soup mixes, dried & dehydr.[3]	(NA)	44.5	51.2	64.1	76.4	126.7	224.7	259.9
20340	Dehydrated food products, n.s.k.[3]	(NA)	5.9	(5.4)	(4.9)	29.6	32.7	76.9	65.2
2035	**Pickles, sauces, & salad dr.**	**496.1**	**619.0**	**702.1**	**767.7**	**792.9**	**1,165.1**	**2,242.8**	**3,277.6**
20352	Pickles and other pickled products	170.1	228.1	238.4	261.0	260.6	362.5	558.2	745.1
20353	Meat sauces (except tomato)	67.6	94.4	107.4	111.4	98.5	151.3	261.6	430.6
20354	Mayonnaise, salad dressings and sandwich spreads	240.5	278.6	348.4	386.9	373.9	576.0	1,292.3	1,930.5
20350	Pickles, sauces, and salad dressings, n.s.k.	17.9	(18.0)	(8.0)	(8.3)	59.9	75:3	135.7	171.4
2037	**Frozen Fruits & vegetables**	**[5]589.2**	**[5]832.3**	**[5]925.5**	**[5]986.2**	**[5]999.4**	**[5]1,648.7**	**3,047.2**	**4,491.7**
20371	Frozen fruits, juices & ades	358.0	436.3	413.8	421.4	419.5	733.6	1,158.5	1,707.3
20372	Frozen vegetables	231.2	396.0	511.7	564.8	579.9	915.1	1,797.9	2,647.2
20370	Frozen fruits & veg., n.s.k.	[5]	[5]	[5]	[5]	[5]	[5]	95.8	137.2
2038	**Frozen Specialties**	**[5]327.4**	**[5]628.6**	**[5]783.6**	**[5]856.1**	**[5]1,021.3**	**[5]1,742.6**	**2,911.9**	**4,106.8**
20381	Frozen pies & other frozen baked goods	318.8	608.1	746.4	837.5	889.4	387.5	770.3	1,060.5
20382	Frozen dinners, beef, pork Nationality foods, etc.						702.0	1,297.7	1,907.3
20383	Other frozen specialties						492.5	718.2	957.1
20380	Frozen specialties, n.s.k.	[5]8.6	[5]20.5	([5]18.6)	([5]18.6)	[5]131.9	[5]160.6	125.7	181.9
2091	**Canned and cured seafood, incl. soup (except frozen)**	**367.0**	**384.4**	**418.6**	**470.3**	**421.1**	**587.7**	**1,025.5**	**1,420.3**
	Canned seafood	(NA)	331.3	(NA)	(NA)	386.7	[6]560.2	[6]954.1	n.a.
	Cured seafood	(NA)	53.2	(NA)	(NA)	34.4	27.5	71.5	n.a.
2092	**Fresh or frozen packaged fish (seafood)**	**274.1**	**362.8**	**429.0**	**445.1**	**529.7**	**[4]1,016.8**	**[7]2,459.2**	**3,293.0**
	Frozen packaged seafood	(NA)	286.2	(NA)	(NA)	463.1	[8]881.6	[8]1,998.8	2,486.0
	Fresh packaged seafood	(NA)	76.6	(NA)	(NA)	66.6	135.2	460.5	807.0
20118 20138	**Canned meats (20% or more meat)**	**(NA)**	**(NA)**	**(NA)**	**(NA)**	**(NA)**	**1,106.2**	**1,256.3**	**1,597.1**

*Represents value of specific products packed not only by plants classified in the specific industry but by plants classified in other industries as well. (NA) Not available. [1] These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufacturers. These estimates may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The figures shown in parentheses either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data. [3] Value of shipments. [4] Includes meat. [5] Data for product class 20370, Frozen Fruits and Vegetables, n.s.k., are included with product class 20380, Frozen Specialties, n.s.k. As a result, total for industry 2037 is understated by approximately 5 percent. [6] Includes small amount of cured n.s.k. [7] Not directly comparable with earlier years. See text "Description of Industrues". [8] Includes small amount of Fresh n.s.k.

MATERIALS CONSUMED BY KIND — 1977 (From Census Table 7)

See also Raw Products Statistics, Section VII, This Almanac

Material	Unit of Measure	Canned Specialties 2032	Canned Fruits & veg. 2033	Dehydrated Foods 2034	Pickles, Sauces, Salad Drsngs 2035	Frozen Fruits & veg. 2037	Frozen Specialties 2038	Canned & cured Seafood 2091	Fresh or Frozen Pkgd. Fish 2092
Fresh Fruits	1,000 short tons	121.5	[2]4,890.5	250.2	**22.9	[6]4,757.6	[9]20.3	.....	.....
	delivered cost-mil $	24.3	597.2	44.8	7.3	[6]550.3	[9]33.8	.....	.....
Fresh Vegetables	1,000 short tons	1,014.9	10,673.1	2,858.5	[5]720.7	[7]5,313.2	25.1	.....	.....
	delivered cost-mil $	98.4	827.5	145.8	[5]128.7	[7]579.2	9.3	.....	.....
Dried Beans	1,000 short tons	270.5	34.4	.....	.....	.....	.....	.....	.....
	delivered cost-mil $	112.8	17.7	.....	.....	.....	.....	.....	.....
Sugar (cane & beet)	1,000 cwt.	2,372.3	7,804.5	210.6	(D)	(s)	(s)	.....	.....
	delivered cost-mil $	28.2	110.7	3.6	(D)	28.7	39.1	.....	.....
Corn sirup	million lb.	.....	.....	.....	*233.4	.....	.....	.....	.....
	delivered cost-mil $	.....	.....	.....	20.7	.....	.....	.....	.....
Dried Fruits	1,000 short tons	(D)	26.6	*291.0	(s)	.....	.....	.....	.....
	delivered cost-mil $	(D)	14.9	237.6	.6	.....	.....	.....	.....
Fresh & prepared meats (other than poultry)	million lb.	*240.9	4.6	.....	.....	.....	240.6	.....	.....
	delivered cost-mil $	146.7	2.7	.....	.....	.....	187.0	.....	.....
Wheat flour	1,000 cwt	1,996.7	[4]	.....	(D)	(X)	(s)	.....	.....
	delivered cost-mil $	18.6	[4]	.....	(D)	*69.2	87.1	.....	.....
Dressed Poultry	million lb.	50.8	[4]	.....	.....	.....	398.3	.....	.....
	delivered cost-mil $	48.2	[4]	.....	.....	.....	176.0	.....	.....
Conc. Fr. Juices	1,000 gallons	1.8	21.6	.....	.....	.....	.....	.....	.....
	delivered cost-mil $	9.9	107.9	.....	.....	.....	.....	.....	.....
Frozen fruits (for further Proc.)	1,000 short tons	4.3	66.3	.....	.....	.....	.....	.....	.....
	delivered cost-mil $	2.4	54.1	.....	.....	.....	.....	.....	.....
Frozen Vegetables (for further Proc.)	1,000 short tons	48.0	13.0	.....	.....	.....	.....	.....	.....
	delivered cost-mil $	19.4	3.5	.....	.....	.....	.....	.....	.....
Tomato Paste (24% NTSS equiv.)	million lb.	233.0	197.8	.....	.....	.....	(X)	.....	.....
	delivered cost-mil $	55.9	57.3	.....	.....	.....	22.9	.....	.....
Finfish, round	1,000 short tons	.....	.....	.....	.....	.....	.....	[10]377.5	[12]*43.5
	delivered cost-mil $	.....	.....	.....	.....	.....	.....	[10]455.3	[12]349.6
Shellfish	1,000 short tons	.....	.....	.....	.....	.....	.....	n.a.	n.a.
	delivered cost-mil $	.....	.....	.....	.....	.....	.....	[11]95.5	[13]669.5
Frozen fish blocks	1,000 short tons	.....	.....	.....	.....	.....	.....	.....	150.7
	delivered cost-mil $	.....	.....	.....	.....	.....	.....	.....	233.2
Fats & oils, all types	million lb.	96.2	43.2	.....	(s)	.....	(s)	(s)	37.7
	delivered cost-mil $	27.3	12.8	.....	708.8	.....	68.0	7.9	11.2
Detergents & disinfectants	delivered cost-mil $	(D)	1.7	.....	.....	.....	.....	.....	.....
Printed labels	delivered cost-mil $	28.0	37.1	.....	.....	.....	.....	.....	.....
Containers:									
Paperboard	delivered cost-mil $	59.5	108.3	47.6	45.0	168.0	205.6	11.8	44.0
Metal cans	delivered cost-mil $	424.5	942.0	.....	.....	64.3	7.2	57.1	5.7
Glass	1,000 gross	15,662.2	n.a.	.....	15,630.7	.....	.....	.....	.....
	delivered cost-mil $	100.2	297.6	.....	229.0	.....	.....	.....	.....
other materials, ingredients Containers & supplies	delivered cost-mil $	283.0	[4]446.0	120.0	521.5	276.9	667.0	43.5	109.3
other mat. ingr., containers & supplies, n.s.k.[3]	delivered cost-mil $	50.0	257.6	43.3	98.1	58.7	187.0	62.8	303.3
TOTAL 1977	delivered cost-mil $	1,552.0	3,896.6	642.7	1,796.5	1,795.3	1,690.0	733.9	1,725.8
TOTAL 1972	delivered cost-mil $	1,005.2	2,269.8	324.3	707.6	1,057.5	982.8	400.9	698.1

(X) Not applicable. n.a. Not available. (D) Withheld to avoid individual disclosure. [1]For some establishments, data have been estimated from central values, which are based on quantity-cost relationships of reported data. *Indicates 10 to 19 percent estimated. (s) Withheld because estimate did not meet publication standard. [2]Excludes grapefruit. [3]Total cost of materials of establishments that did not report detailed materials data, including establishments that were not mailed a form. [4]Included in other. [5]Quantity of cucumbers only. Value figure represents: cucumbers $113.9; other veg. $14.8. [6]Includes: oranges 4,518.1T (367.8$); apples *160.5T (21.7$); peaches 26.4T (4.5$); strawberries 52.6T (22.7$); other fruits tonnage n.a. (133.6$). [7]Includes following quantities and $: green peas *168.8T (31.1$); irish potatoes 4,467.2T (282.9$); sweet corn 540.8T (32.4$); snap or wax beans *136.4T (22.6$); other fresh veg. tonnage n.a. (210.2$). [8]Includes fats and oils. [9]Quantity figure represents apples only. Value figures represent: apples 10.8$, peaches and strawberries 4.0$, other fresh fruits 19.0$. [10]Quantity figure is for tuna only. Value figure represents: tuna 312.4$; salmon 104.9$; sardines 4.6$; other finfish 33.4$. [11]Figure represents: shrimp 51.4$; crabs 12.4$; oysters 5.8$; clams 25.2$; other shellfish .7$. [12]Quantity figure is for salmon only. Value figure represents: tuna 4.2$; salmon 79.7$; ground fish (cod, cusk, haddock, hake, atl. ocean perch, atl. pollock, whiting) 142.4$; flounder 30.9$; other finfish, round 92.4$. [13]Represents following values: shrimp 316.9$, crab 175.1$, oysters 91.7$, clams 44.7$, other shellfish 41.1$.

THE ALMANAC

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

Section IX

INTERNATIONAL TRADE AND WORLD PACKS

CANNED, FROZEN AND PRESERVED FOODS

U.S. EXPORTS CANNED AND FROZEN FOODS

Source: Bureau of the Census, U.S. Department of Commerce

Courtesy & Cooperation, National Food Processors Assn. and Foreign Agriculture Service, U.S.D.A.

	1980		1981		1982		1983	
	1,000 Gallons	Value $1,000	1,000 Gallons	Value $1,000	1,000 Gallons	Value $1,000	1,000 Gallons	Value $1,000
FRUIT JUICES								
Not Concentrated:								
Grapefruit	4,061	7,460	3,650	7,412	3,196	6,693	2,710	5,237
Orange	10,030	19,633	9,080	19,193	7,783	15,601	6,358	13,536
Other Citrus & citrus Mix.	2,001	3,143	1,824	2,717	2,689	3,850	1,785	2,941
Grape	2,785	3,590	1,906	3,119	3,399	3,828	3,159	2,960
Pineapple	2,864	4,827	2,866	6,242	3,210	6,381	3,078	5,250
Other	6,468	10,851	6,679	13,824	7,647	14,169	7,227	14,009
Total Not Concentrated	28,209	49,504	26,004	52,507	27,924	50,517	24,317	43,938
Frozen Concentrate:								
Grapefruit	12,496	20,292	14,238	20,873	12,961	16,807	10,286	13,045
Orange, containers less than 32 oz	34,668	57,155	34,170	58,978	28,062	58,170	26,754	53,464
Orange, cont. 32 oz-1 gal	7,012	10,424	8,725	13,906	8,220	13,271	7,951	12,986
Orange, containers more than 1 gal	24,559	32,337	32,370	38,746	25,423	30,640	36,829	40,160
Other citrus	6,506	7,939	13,311	14,954	13,733	14,726	15,220	14,553
Grape	688	1,732	882	1,903	3,185	5,837	3,686	7,032
Other	4,404	6,405	4,961	6,962	4,884	6,805	5,480	7,718
Total Frozen Concentrate	90,332	136,284	108,658	156,322	96,468	146,256	106,206	148,953
Concentrate, not frozen (hot pack):								
Grapefruit	1,791	3,716	2,014	3,317	1,565	2,402	1,364	2,126
Orange	6,681	11,647	6,715	9,728	6,697	9,537	5,585	8,116
Other citrus & citrus mix.	1,356	2,457	1,388	1,875	2,066	2,923	1,908	2,250
Grape	2,220	3,323	4,310	8,550	3,523	6,132	2,495	3,802
Pineapple	885	953	1,229	1,273	963	784	992	1,001
Other	8,865	9,969	12,339	12,711	14,061	11,812	12,126	9,374
Total Concentrate, not frozen	21,798	32,064	27,994	37,454	28,875	33,590	24,470	26,669
VEGETABLE JUICES								
Tomato	3,825	5,845	3,878	6,185	3,116	5,554	1,973	4,279
Other vegetable juices	746	1,460	1,090	2,160	982	2,030	1,213	2,096

U.S. EXPORTS CANNED AND FROZEN FOODS—Continued

	1980		1981		1982		1983	
	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000
CANNED VEGETABLES								
Asparagus	4,514	3,072	4,927	2,887	2,695	2,272	2,366	1,623
Beans, dry	10,545	2,769	9,876	3,093	7,035	2,106	8,194	2,649
Beans, other	19,404	5,908	21,024	8,525	25,122	9,869	15,635	6,834
Corn	122,523	37,156	157,025	56,386	137,173	52,053	145,568	52,513
Peas	7,734	2,090	6,824	2,068	6,288	2,015	5,201	1,468
Mushrooms	578	392	498	372	257	233	295	230
Tomatoes	34,951	8,110	32,193	8,620	19,978	5,332	13,990	4,218
Tomato pulp	3,673	1,091	2,087	666	1,301	478	864	323
Tomato paste	25,404	10,020	24,554	11,168	22,556	11,412	23,964	11,175
Tomato sauce	6,421	1,988	9,014	2,917	6,315	2,432	6,702	2,551
Catsup & chili sauce	23,852	8,180	27,754	10,720	27,573	10,757	23,448	9,835
Other canned vegs.	38,291	14,607	46,696	19,711	42,989	19,880	29,852	13,411
Vegetable baby food	6,856	2,628	7,328	2,908	7,672	3,118	6,213	2,683
Total Canned Veg.	347,668	111,761	349,801	130,041	306,954	121,957	282,291	109,513
PICKLED VEGETABLES								
Cucumbers	9,134	2,109	9,654	2,463	9,052	2,499	8,829	2,526
Other pickled vegs.	5,981	2,426	4,326	1,797	4,617	2,555	2,434	1,211
FROZEN VEGETABLES								
Carrots	18,711	4,300	18,918	4,926	12,085	3,087	6,631	1,726
Corn	76,617	20,376	78,362	25,036	73,493	24,254	82,348	25,871
Peas	26,199	5,905	33,438	8,711	19,886	5,487	19,729	5,137
Potatoes, French fries	73,328	22,048	86,711	27,220	95,302	32,948	106,052	37,006
Potatoes, other	11,216	3,272	15,723	4,750	14,417	4,969	15,302	4,788
Other frozen vegs.	54,434	19,243	60,195	22,790	45,305	20,550	44,204	18,470
Total Frozen Veg.	260,504	75,145	293,348	93,433	260,488	91,295	274,266	92,998
SOUPS								
Soup, dried or dehydr	3,869	2,530	4,013	3,336	4,685	4,561	2,330	3,302
Soup, other	32,071	13,844	28,504	12,459	27,379	11,918	25,053	11,366
CANNED FRUITS								
Apricots	2,292	1,114	2,659	1,370	2,454	1,207	1,693	717
Cherries, maraschino	4,797	3,414	5,346	3,972	4,175	3,013	3,521	2,692
Cherries, sweet	3,718	2,339	4,357	2,816	3,631	2,306	3,922	2,388
Cherries, tart	14,763	7,234	2,886	1,449	4,242	1,837	1,559	670
Berries	3,089	1,660	4,073	1,833	3,604	1,784	3,931	1,930
Grapefruit	3,432	1,371	2,125	860	2,261	865	2,130	707
Other citrus & citrus mix.	2,113	824	2,674	987	5,395	2,821	5,586	3,463
Olives, canned	3,016	2,606	4,144	3,299	3,583	2,658	2,672	2,048
Olives, other	1,187	742	974	595	915	707	1,179	702
Peaches	126,829	42,408	116,953	40,153	81,993	27,682	57,811	20,233
Pears	5,586	2,222	6,340	2,669	5,621	2,215	4,171	1,748
Pineapple	20,240	6,929	23,534	8,301	26,834	9,242	26,559	10,219
Other canned fruits	15,092	6,741	15,663	7,833	11,511	6,155	16,374	9,451
Mixtures, non-citrus	118,910	45,624	110,305	46,047	87,875	37,279	68,323	29,246
Total Canned Fruits	325,066	126,227	302,033	122,184	244,095	99,771	199,431	86,214
Baby food fruits	11,175	5,249	16,966	7,484	13,703	6,793	12,974	6,633
Other fruit pastes & pulps	18,924	7,338	24,168	9,541	20,024	7,919	15,406	5,483
Jams, marmalade, and fruit butter	8,634	5,275	8,678	5,588	8,021	5,733	6,349	4,979
FROZEN FRUITS								
Blueberries	12,415	6,258	20,278	7,233	20,110	6,973	5,840	2,294
Strawberries	4,364	2,037	6,561	3,957	7,127	4,778	5,886	3,480
Other frozen berries	10,762	3,577	8,035	3,549	10,384	4,731	8,003	3,536
Cherries, sweet	5,411	2,787	9,091	4,369	5,184	2,953	5,150	2,629
Cherries, tart	993	415	1,654	800	1,867	644	346	199
Other frozen fruits	6,624	2,506	8,040	3,574	8,982	3,507	3,527	1,554
Total Frozen Fruits	40,569	17,581	53,663	23,482	53,653	23,586	28,752	13,692
CANNED MEATS								
Poultry	66,983	26,477	3,201	3,398	7,619	3,982	2,278	1,894
Sausages	2,050	1,859	2,368	2,543	2,248	2,381	2,804	2,859
Pork (except sausage)	3,675	4,070	3,665	4,402	2,841	3,541	1,532	2,098
Beef and veal	4,398	3,421	6,226	5,432	6,676	5,156	3,491	3,175
Other canned meats	2,637	2,853	3,282	3,747	2,128	2,765	1,164	1,492
Total Canned Meats	79,743	38,679	18,741	19,520	21,512	17,825	11,269	11,518
FROZEN FISH FILLETS								
Salmon	3,353	8,674	3,573	6,289	1,771	3,167	976	1,528
Herring	n.a.	n.a.	19,865	11,544	11,380	6,668	4,702	3,666
Other	46,657	41,866	36,079	35,886	37,387	37,982	21,264	25,674
Sticks & portions	975	1,334	2,483	3,110	4,180	5,130	3,386	4,301
Balls, cakes, etc.	888	2,091	2,870	2,919	207	340	976	1,095
Total	51,873	53,965	64,870	59,748	54,924	53,287	31,304	36,264

U.S. EXPORTS CANNED AND FROZEN FOODS—Continued

	1980		1981		1982		1983	
	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000
CANNED FISH								
Salmon, chum (dog)			3,363	5,143	6,314	7,366	5,004	6,067
Salmon, pink (humpie)	73,387	148,869	27,231	47,148	20,804	28,048	22,145	31,532
Salmon, sockeye (red)			26,175	63,141	10,241	23,887	21,962	50,315
Salmon, other	619	1,102	6,725	13,184	3,797	6,582	5,377	9,080
Sardines	1,839	1,371	1,731	1,700	1,049	871	1,013	690
Mackerel	10,362	13,764	16,833	20,104	11,146	10,080	9,102	7,467
Fish balls, cakes, puddings, pastes, and sauces	487	565	1,023	881	1,202	1,058	384	495
Total Canned Fish	86,694	165,671	83,081	151,301	54,553	77,892	64,987	105,646
CANNED SHELLFISH								
King crab	373	2,179	132	569	201	677	65	253
Shrimp	5,832	17,207	4,545	13,954	3,002	8,559	3,749	10,520
Squid	8,473	2,327	10,827	4,120	10,223	4,085	683	379
Other, inc. shellfish juices	2,098	5,771	1,947	5,688	1,103	2,513	1,133	2,699
Total Canned Shellfish	16,776	27,484	17,451	24,331	14,529	15,834	5,630	13,851
FROZEN SHELLFISH								
King Crab	28,871	76,409	15,831	54,772	5,119	26,802	1,165	8,424
Snow crab	33,742	49,825	31,998	55,215	22,169	63,343	16,157	37,843
Shrimp	13,383	41,766	12,407	38,651	10,048	34,568	18,454	68,369
Squid	n.a.	n.a.	11,238	7,256	20,170	13,252	8,866	7,847
Other	n.a.	n.a.	n.a.	n.a.	7,358	19,734	14,573	43,013
Total these Prod.	75,996	168,000	71,474	155,894	64,864	157,699	59,215	165,496
CANNED MILK								
Evaporated	38,437	12,268	31,899	13,748	18,418	8,204	8,829	2,526
Condensed	4,487	1,483	2,313	816	369	165	2,433	1,211

CONVERTING POUNDS TO APPROXIMATE CASES: FRUITS & VEGETABLES: To 24/303's divide by 24; to 24/2's divide by 30; to 24/2½'s divide by 45. To convert 1,000 gallons to cases of 12/46 oz. divide by 4.3125.

U.S. IMPORTS OF CANNED & FROZEN FOODS

Source: Bureau of the Census, U.S. Department of commerce;
National Marine Fisheries Service, U.S. Department of commerce
Courtesy & Cooperation, Foreign Agricultural Service and National Food Processors Assn. Div. of Int. Trade

	1980		1981		1982		1983	
	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000
FRUITS, Prep. or pres.								
Apples and sauce	2,733	725	3,696	906	2,347	671	2,529	609
Apricots	237	193	427	231	1,424	492	7,961	2,035
Berries, other, canned, froz	5,951	3,041	3,714	1,887	2,502	1,925	2,341	1,814
Blueberries, frozen	6,803	3,869	6,204	3,768	4,403	3,514	9,096	6,979
Cherries in brine	35	28	626	403	988	675	1,318	829
Cherries, canned or brandied	265	247	349	293	428	416	522	513
Oranges, Mandarin	85,886	35,826	87,042	38,725	71,535	31,066	88,332	36,672
Other citrus fruits	11,968	3,705	11,881	3,713	11,177	3,144	11,142	3,042
Figs	91	63	87	70	101	72	150	110
Grapes	189	49	389	75	6,537	1,614	71	19
Guavas	1,089	379	1,114	423	1,484	683	1,371	537
Olives (1,000 gallons)	14,689	77,904	15,036	76,986	19,916	95,226	19,790	76,017
Papayas	2,979	1,054	2,283	997	3,210	1,290	3,854	1,880
Peaches	465	95	502	127	747	136	8,023	2,243
Pears	32	22	34	31	60	40	139	55
Pineapple	472,624	116,302	435,011	118,729	435,234	121,267	12,762	119,025
Prunes, plums, etc.	1,976	2,690	1,661	2,642	1,931	2,816	2,260	3,063
Strawberries, Frozen	83,472	26,812	60,123	25,225	34,857	17,508	42,536	16,831
Fruits, other	20,093	7,017	22,993	9,297	19,705	8,822	24,888	9,954
Fruit Mixtures	22,857	7,299	14,386	5,131	20,005	6,338	15,370	3,725
JUICES (1,000 gallons)*								
Apple and Pear	43,550	40,066	81,603	60,227	103,758	92,334	149,295	112,056
Grape	865	1,325	1,373	2,006	1,799	2,333	2,713	2,179
Lime	1,396	1,192	917	953	1,054	1,446	322	286
Orange conc.	100,014	66,584	214,231	178,271	396,072	320,169	364,769	293,501
Citrus, other	2,951	4,132	11,39[illegible]	16,774	12,804	15,297	9,214	10,864
Pineapple	39,775	25,988	37,329	26,211	37,953	26,443	32,616	21,360
Other fruit	2,014	4,318	3,640	7,387	4,652	10,451	6,175	14,222
Vegetable	423	590	240	509	183	390	164	316

*For concentrate juices, gallons are single strength equivalent.

U.S. IMPORTS OF CANNED & FROZEN FOODS—Continued

	1980		1981		1982		1983	
	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000
VEGETABLES, Prep. or pres.								
Artichokes	19,534	10,809	21,776	11,494	26,449	14,117	28,686	15,222
Asparagus	8,012	6,212	4,123	3,256	4,601	3,672	2,945	2,561
Beans	6,393	3,982	7,066	4,511	6,819	4,455	8,973	5,712
Chickpeas or garbanzos	523	253	849	362	897	396	1,373	490
Mushrooms	114,905	119,924	87,860	83,208	100,552	91,562	119,134	104,029
Onions, in salt, brine or pickl	3,704	1,423	2,958	1,347	2,967	1,420	3,108	1,340
Onions, other	4,221	2,331	5,349	3,243	5,787	3,401	6,373	3,720
Peas	11,381	4,761	11,253	4,286	10,489	4,271	16,047	6,858
Pimientos	12,060	7,332	13,910	10,677	12,800	7,915	12,877	5,318
Sauerkraut	962	309	614	161	979	249	983	237
Tomato Paste & Sauce	27,116	8,810	74,319	24,903	219,854	79,974	184,871	58,283
Tomatoes	39,881	8,517	97,229	18,964	167,018	32,905	186,710	40,026
Vegetables, other, brine, etc	89,206	30,784	80,813	28,950	88,429	29,489	94,604	25,582
Vegetables, otherwise prep	83,890	33,344	105,602	47,554	114,913	51,457	124,406	58,040
SOUPS, Soup preparations	10,411	19,753	11,780	20,076	13,818	23,878	15,987	26,215
JAMS & JELLIES,								
Orange Marmalade	1,879	1,074	2,041	1,487	1,856	1,377	2,277	1,697
Currant & Berry Jellies	1,567	1,460	1,908	1,916	410	419	0	0
Jellies, jams, marm., other	4,727	2,982	3,757	2,846	4,182	2,684	4,270	2,764
CANNED FISH								
Anchovies in oil	4,544	13,175	4,347	13,470	4,247	10,958	3,757	8,112
Anchovies not in oil	1,397	907	1,945	1,744	1,846	1,529	1,300	981
Herring in oil	125	174	154	217	92	114	251	308
Herring not in oil	5,577	8,615	6,156	9,766	5,402	8,289	5,572	9,092
Salmon in oil	2	15	14	41	6	37	14	35
Salmon not in oil	165	439	56	143	152	557	264	1,459
Sardines in oil	18,218	24,226	18,239	25,134	14,119	19,139	17,151	21,245
Sardines not in oil	32,960	19,834	37,034	26,061	35,925	22,170	18,096	12,455
Tuna in oil, albacore	336	569	268	576	213	493	197	418
Tuna in brine, albacore	16,522	29,516	12,607	25,137	11,050	20,191	14,880	21,550
Tuna in brine, other	46,585	67,169	57,976	84,646	76,316	92,662	107,252	115,356
Bonito and yellowtail, oil	531	311	581	472	317	292	140	179
Bonito and yellowtail, not in oil	273	313	305	374	133	147	37	69
Antipastos in oil	300	330	463	426	786	759	609	582
Fish cakes, balls, puddings	1,369	1,900	2,576	3,933	7,414	11,347	12,400	18,161
Fish paste and sauce	6,932	2,539	8,156	3,222	9,292	4,131	10,170	4,031
Pollock	10	29	19	48	30	49	192	485
Sturgeon & other roes	983	3,435	947	4,548	1,138	5,048	1,193	6,405
Other fish in oil	2,173	2,781	1,762	2,741	1,106	1,959	2,246	2,320
Other fish not in oil	10,852	5,448	8,019	5,228	7,880	6,078	9,060	6,417
CANNED SHELLFISH								
Abalone*	3,012	15,363	2,718	19,625	2,176	14,686	2,889	12,792
Clam chowder, juice, etc.	94	50	63	21	45	12	3	5
Clams, other	5,321	6,694	6,617	6,821	7,846	8,591	7,391	8,296
Clams, razor	116	97	22	26	41	55	77	77
Crab meat inc. paste	5,002	12,503	5,019	13,187	5,737	16,329	6,505	20,639
Lobster, American*	2,090	12,529	2,901	19,663	3,336	25,838	1,073	8,007
Lobster, spiny	88	314	217	770	50	227	131	628
Shrimp	4,225	8,063	4,383	8,898	5,332	10,551	13,176	25,499
Oysters and juice	16,989	20,263	20,365	23,960	22,427	26,459	21,599	24,827
Other canned shellfish	25,369	39,701	31,953	58,213	n.a.	n.a.	n.a.	n.a.
CANNED MEATS								
Beef sausages	135	151	2	4	8	18	2	3
Corned beef								
not more than 2 lbs.	56,741	85,716	52,015	75,193	55,490	59,933	79,375	80,940
more than 2 lbs.	19,283	27,496	12,712	17,180	13,410	13,760	17,741	16,828
Beef, other								
not more than 2 lbs.	7,853	10,543	3,810	5,307	3,641	4,102	10,367	12,274
more than 2 lbs.	10,187	15,401	8,473	12,507	10,668	12,389	22,739	25,531
Pork hams & shoulders								
less than 3 lbs.	9,522	16,108	7,580	12,034	9,172	14,767	12,138	17,797
3 lbs. and more	200,674	312,760	190,246	302,956	196,939	326,600	247,007	363,024
Bacon	216	217	372	386	417	477	2,012	2,136
Other canned pork	6,804	6,486	9,258	9,514	6,945	7,362	216	188

*Includes some fresh. [1] Less than a thousand.

LEADING U.S. EXPORT MARKETS AND PRODUCTS

U.S. EXPORTS TO SPECIFIED COUNTRIES

SOURCE: United States Department of Agriculture, Foreign Agricultural Service,
Fruit and Vegetable Division, Commodity Analysis Branch.

CANNED FRUITS

Basis 1,000 cases 24 no. 2½ cans (45 lbs.) Figures rounded - Calendar year

Country of Destination	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
APRICOTS, CANNED										
Canada	21	12	20	12	10	27	9	13	13	9
European Community	15	4	5	11	56	5	5	7	3	1
Other Western Europe	6	3	6	8	12	13	7	7	2	1
Asia	7	6	13	14	18	17	16	17	16	13
Oceania	1	3	12	6	13	5	3	2	1	....
Other	4	1	4	1	....	....	11	13	20	14
Total	54	29	60	52	109	67	51	59	55	38
CHERRIES, CANNED[1]										
Canada	38	25	22	66	62	59	27	27	28	44
Mexico	5	22	14	3	2	2	2	1	2	....
European Community	190	519	154	223	215	90	296	49	68	21
Japan	3	8	12	20	29	50	48	49	41	33
Asia	4	8	9	11	23	24	16	14	12	18
Caribbean	3	3	1	1	6	10	4	3	4	4
Other	14	12	9	6	18	22	18	18	20	2
Total	257	597	221	330	355	257	411	161	175	122
MIXED FRUIT, CANNED										
Canada	910	925	898	947	904	931	770	879	657	447
Latin America	54	41	51	73	105	90	130	73	79	57
Germany, Federal Rep.	175	51	65	70	58	120	351	264	132	84
Netherlands	74	43	51	52	88	111	112	98	83	44
Other European Commty	307	151	73	137	81	59	71	84	49	20
Other Western European	338	369	350	344	329	377	396	278	231	92
Asia	209	193	256	421	492	503	712	532	591	637
Caribbean	24	30	25	26	36	57	63	87	75	77
Other	15	26	21	25	28	35	37	156	56	60
Total	2,106	1,829	1,790	2,095	2,121	2,283	2,642	2,451	1,958	1,518
PEACHES, CANNED										
Canada	1160	1017	1001	1121	1089	1031	945	788	663	408
Latin America	29	40	33	52	70	132	121	82	114	45
Germany, Federal Rep.	263	238	341	369	1060	211	423	356	169	158
Netherlands	76	92	88	72	76	153	112	29	11	10
Other European Commty	163	148	127	83	321	93	63	53	33	6
Other Western Europe	349	281	239	201	366	243	226	179	116	42
Japan	65	85	369	600	999	523	633	486	501	410
Asia	59	68	82	128	174	205	201	146	189	183
Other	22	38	31	29	25	31	94	[2]480	26	23
Total	2186	2007	2311	2655	4180	2622	2818	2,599	1,822	1,285
PEARS, CANNED										
Canada	42	56	82	58	65	43	24	33	22	21
Europe	76	44	24	39	83	23	30	31	29	10
Asia	68	25	29	35	29	39	33	38	39	47
Latin America	12	7	8	10	12	23	15	17	10	6
Other	12	13	18	30	13	23	22	22	25	9
Total	210	145	161	172	202	151	124	141	125	93
PINEAPPLES, CANNED										
Canada	167	229	235	341	271	251	248	319	391	381
Germany, Federal Rep.	262	194	174	174	146	70	37	32	52	38
Other European Commty	354	270	207	162	130	75	62	60	67	53
Other Western Europe	142	120	103	44	63	57	12	10	27	51
Asia	33	14	14	15	41	48	39	60	27	42
Caribbean	14	11	11	11	11	21	18	21	17	11
Other	18	43	19	18	27	42	34	21	15	14
Total	990	881	763	765	689	564	450	523	596	590

---

[1] Both sweet and sour. Excludes Maraschino Cherries.

[2] Includes 459,151 cases to Mexico.

LEADING U.S. EXPORTS—CANNED VEGETABLES

Basis 1,000 cases 24/303 cans (24 lbs.). Figure rounded - Calendar year.

Country of Destination	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
ASPARAGUS										
Canada	26	14	1	1	1	1	2	10	....	1
Mexico	1	1	....	....	31	4	....	11	....	....
Latin America	11	11	7	10	17	28	38	8	8	2
European Community	68	54	69	41	39	59	40	34	29	29
Other Western Europe	31	18	14	16	24	19	24	27	23	12
Asia	24	9	12	29	19	21	21	66	44	50
Caribbean	7	5	3	3	3	25	54	46	4	2
Other	45	8	7	2	10	14	9	3	4	3
Total	213	120	113	102	144	171	188	205	112	99
BEANS CANNED[1]										
Canada	28	50	123	97	123	43	58	35	77	39
Mexico	72	30	36	75	102	113	97	84	24	5
Latin America	26	13	19	29	178	150	147	123	148	48
Caribbean	59	43	28	29	149	92	88	171	311	216
Europe	52	30	1144	702	87	76	39	74	133	73
Asia	67	77	105	99	281	294	256	306	260	222
Africa	7	9	12	11	68	79	37	35	22	11
Other	24	4	7	9	50	43	86	48	67	37
Total	335	256	1474	1051	1038	890	808	876	1,047	651
CORN, CANNED										
Canada	398	116	185	156	229	127	103	67	75	144
Mexico	133	93	89	116	101	104	110	120	38	25
France	159	224	298	365	541	959	861	853	786	923
Germany, Federal Rep.	156	217	189	302	465	482	706	586	724	809
United Kingdom	233	473	236	273	293	348	398	348	513	832
Other Western Europe	285	292	329	344	531	539	529	635	851	704
Japan	401	225	311	382	562	939	1554	3001	1,772	1,743
Asia	231	307	431	726	624	662	573	728	742	665
Latin America	45	58	55	130	114	135	150	99	94	27
Caribbean	72	53	62	49	46	58	71	63	59	44
Other	31	23	26	29	31	40	50	43	62	149
Total	2144	2081	2211	2872	3537	4393	5105	6543	5,716	6,065
PEAS, CANNED										
Canada	20	24	43	19	29	11	5	....	11	4
Latin America	48	275	86	134	105	71	145	111	56	27
Caribbean	60	52	34	26	33	27	31	35	36	37
Asia	46	46	47	83	81	62	82	90	113	68
Oceania	22	28	17	34	16	25	41	26	33	59
Other	16	15	28	22	18	21	18	22	13	21
Total	212	440	255	318	282	217	322	284	262	217
TOMATOES, CANNED										
Canada	980	957	1160	909	1039	1340	1207	1170	709	446
Europe	8	23	10	5	3	36	5	15	5	27
Latin America	8	7	11	3	7	216	63	24	2	....
Asia	73	27	41	48	84	78	99	94	76	83
Other	81	43	34	19	43	67	82	38	40	27
Total	1150	1057	1256	984	1176	1737	1456	1341	832	583
TOMATO CONCENTRATES[2]										
Canada	1472	789	1059	852	968	1309	918	996	891	966
Latin America	56	64	14	220	130	147	38	74	26	11
Caribbean	64	68	41	29	76	83	101	89	80	57
Asia	312	111	119	125	214	276	314	186	200	225
Oceania	300	36	22	35	26	164	32	37	35	39
Europe	43	28	30	145	77	12	12	21	20	13
Other	34	84	83	40	34	34	64	83	5	3
Total	2281	1180	1368	1446	1525	2025	1479	1486	1,257	1,314
TOMATO JUICE	1,000 Gallons									
Canada	1216	2591	3876	3383	1409	378	262	258	186	150
Mexico	107	119	80	78	101	99	241	214	30	5
Caribbean	121	131	163	133	121	123	263	222	292	169
Latin America	27	17	7	55	59	82	184	95	75	11
Middle East	572	616	1065	804	1022	971	1147	1787	1,371	851
Far East	247	306	238	371	859	1184	1475	1056	974	673
Other	108	105	131	109	84	113	253	246	188	114
Total	2398	3885	5560	4933	3655	2950	3825	3878	3,116	1,973

[1] Excludes dry beans & pickled beans.

[2] Includes tomato paste, pulp, puree & sauce.

U.S. COMPETITION IN WORLD MARKETS

IMPORTS INTO SPECIFIED COUNTRIES BY COUNTRY OF ORIGIN

SOURCE: United States Department of Agriculture, Foreign Agricultural Service, Horticultural and Tropical Products Division

SPECIFIED CANNED FRUITS

Importing Country and Country of origin	Calendar Year 1975	1976	1977	1978	1979	1980	1981	1982	1983
APRICOTS—*1,000 cases basis 24 No. 2½ cans 45 lb. per case*									
FRANCE									
Greece	361	480	841	660	814	920	974	987	795
Morroco	652	779	746	888	835	482	591	541	700
Spain	435	573	200	242	309	254	258	462	889
Tunisia	269	173	329	188	128	194	....	....	....
Other	39	52	19	19	22	25	134	217	264
TOTAL	1,756	2,057	2,135	1,997	2,108	1,875	1,957	2,207	2,120
GERMANY, W.									
Greece	219	1,142	587	873	752	790	1,078	995	n.a.
Italy	86	98	80	76	116	125	206	580	n.a.
Morocco	94	195	251	128	167	97	135	99	n.a.
South Africa	67	133	130	147	187	349	215	167	n.a.
Spain	354	593	291	398	409	449	499	569	n.a.
Other	111	162	196	245	191	143	173	155	n.a.
TOTAL	931	2,323	1,535	1,867	1,822	1,953	2,306	2,565	n.a.
UNITED KINGDOM									
Australia	68	21	10	17	47	25	19	18	13
Israel	57	43	60	22	37	19	8	5	3
South Africa	188	174	255	275	245	301	190	149	113
Spain	240	291	162	222	121	83	103	217	375
Greece	....	....	47	49	100	137	207	237	138
Other	24	14	14	40	14	4	9	14	15
TOTAL	577	543	548	625	564	569	536	640	657
CHERRIES — *1,000 Pounds*									
CANADA									
Italy	3,048	6,427	697	576	1,043	418	1,585	2,030	2,643
Spain	17	26	....	73	73	461	383	348	800
Other	....	....	22	....	....	4	....	28	....
Subtotal	3,065	6,453	719	649	1,116	883	1,968	2,406	3,443
United States	4,733	3,645	10,455	9,600	9,125	6,299	4,674	4,310	5,572
TOTAL	7,798	10,098	11,174	10,249	10,241	7,182	6,642	6,716	9,015
GERMANY, W.									
Belgium-Lux	7,435	6,325	8,516	4,765	4,851	5,946	5,966	6,855	n.a.
Greece	1,993	3,033	2,085	2,488	2,301	3,808	4,966	2,039	n.a.
Italy	6,099	13,054	9,053	5,490	8,014	6,046	11,088	8,913	n.a.
Netherlands	8,949	7,913	6,771	6,219	7,422	15,189	10,056	16,033	n.a.
United States	13,138	6,545	5,997	6,968	3,698	7,893	3,607	2,595	n.a.
Yugoslavia	5,885	9,777	4,203	4,649	11,503	12,183	9,212	9,432	n.a.
Other	3,263	6,446	6,121	7,701	4,563	6,823	6,804	7,441	n.a.
TOTAL	46,762	53,093	42,746	38,280	42,352	57,888	51,699	53,308	n.a.
UNITED STATES									
Maraschinos									
France	1,671	961	357	27	16	22	82	229	362
Greece	18	24	20	12	44	40	55	78	49
Italy	55	76	415	384	217	56	625	32	62
Poland	21	37	75	41	27	42	70	43	42
Other	111	155	93	87	928	106	114	220	365
Subtotal	1,876	1,253	960	551	1,232	266	946	602	880
TOTAL[2]	1,895	1,416	1,007	705	1,233	301	975	1,591	2,198
FRUIT MIXTURES—*1,000 cases basis 24 No. 2½ cans, 45 lb. per case*									
CANADA									
Australia	127	137	117	224	107	144	101	190	231
Philippines	21	19	34	24	31	23	27	15	9
South Africa	23	10	3	5	33	28	53	92	110
Other	2	5	....	7	2	3	1	7	8
Subtotal	173	171	1,237	260	173	198	182	304	358
United States	961	994	1,083	1,082	1,041	846	859	717	467
TOTAL	1,134	1,165	1,237	1,342	1,214	1,044	1,041	1,021	825

[1] Included in canned pears. [2] Includes Cherries in Brine.

IMPORTS INTO SPECIFIED COUNTRIES—FRUITS—Continued

Importing Country and Country of origin	Calendar Year								
	1975	1976	1977	1978	1979	1980	1981	1982	1983
FRUIT MIXTURES—*Continued*									
FRANCE									
Italy	237	372	390	432	531	623	687	737	605
Other	84	19	10	47	15	20	29	56	83
TOTAL	321	391	400	479	546	643	716	793	688
GERMANY, W.									
Denmark	12	49	62	25	17	14	17	23	68
France	153	119	102	66	91	51	120	111	142
Italy	1,156	1,235	1,094	806	825	671	690	790	814
United States	48	44	45	108	101	352	311	175	125
Other	149	161	98	176	150	135	181	202	122
TOTAL	1,518	1,608	1,402	1,181	1,184	1,223	1,319	1,301	1,271
JAPAN									
Australia	30	25	45	72	112	90	64	60	52
Philippines	....	19	14	30	60	50	38	40	37
United States	53	83	126	160	157	157	136	115	163
Other	1	....	2	2	6	1	7	4	13
TOTAL	84	127	187	264	335	298	245	219	265
NETHERLANDS									
Germany, West	7	4	11	13	47	36	34	46	n.a.
Greece	....	11	19	41	43	51	69	76	10
Italy	355	347	337	248	195	255	292	317	359
South Africa	3	95	27	38	51	43	30	40	13
Other	25	25	23	48	27	31	36	22	64
Subtotal	390	482	417	388	363	416	461	503	446
United States	29	48	33	88	44	67	52	23	13
TOTAL	419	530	450	476	407	483	513	526	459
UNITED KINGDOM									
Australia	366	274	102	197	142	170	128	103	82
Italy	....	36	161	475	417	598	782	638	799
South Africa	955	792	741	896	1,012	855	837	626	636
Spain	486	169	231	89	94	76	81	59	146
Other	87	36	41	77	147	130	148	202	263
Subtotal	1,897	1,307	1,276	1,734	1,812	1,829	1,971	1,628	1,926
United States	73	29	36	45	7	12	38	8	6
TOTAL	1,967	1,336	1,312	1,779	1,819	1,841	2,009	1,636	1,932
PEACHES — *1,000 cases basis 24 No. 2½ cans, 45 lb. per case*									
CANADA									
Australia	268	199	255	358	152	94	178	248	275
South Africa	107	24	5	35	189	206	250	238	171
Other	....	2	....	....	2	4	2	3	72
Subtotal	375	225	260	395	343	304	430	489	518
United States	1,074	1,129	1,274	1,209	1,161	997	880	708	427
TOTAL	1,449	1,354	1,534	1,602	1,504	1,301	1,310	1,197	945
FRANCE									
Greece	211	404	513	730	518	727	933	939	808
Italy	223	178	187	93	205	291	200	198	190
Other	55	89	23	22	10	6	6	32	77
TOTAL	489	671	723	845	733	1,024	1,139	1,169	1,075
WEST GERMANY									
Argentina	....	151	67	51	....	....	....	....	1
Australia	13	38	108	....	....	....	....	47	....
Bulgaria	87	127	65	98	34	62	235	64	205
Greece	326	2,327	2,142	2,491	2,223	2,073	2,220	2,315	2,010
Italy	547	598	481	466	633	664	809	670	612
Spain	49	49	35	4	10	4	4	19	25
South Africa	656	1,296	432	626	829	741	571	710	374
Other	52	128	59	39	155	129	103	135	99
Subtotal	1,730	4,714	3,389	3,775	3,884	3,673	3,942	3,960	3,321
United States	94	216	342	1,052	447	577	379	111	208
TOTAL	1,824	4,930	3,731	4,827	4,331	4,250	4,321	4,071	3,534
JAPAN									
Australia	256	461	309	428	575	272	317	314	297
South Africa	147	168	110	268	391	125	204	219	486
United States	87	358	698	907	686	688	502	485	464
Other	44	44	28	12	8	6	6	5	5
TOTAL	534	1,031	1,145	1,615	1,660	1,091	1,029	1,023	1,252

IMPORTS INTO SPECIFIED COUNTRIES—FRUITS—Continued

Importing Country and Country of origin	Calendar Year 1975	1976	1977	1978	1979	1980	1981	1982	1983
				PEACHES—*Continued*					
NETHERLANDS									
Argentina	2	83	51	14	....	4	....	n.a.	n.a.
Germany, West	13	39	32	35	87	78	n.a.	n.a.	n.a.
Greece	140	165	225	320	257	288	298	355	401
Italy	24	22	21	7	19	45	15	30	72
South Africa	106	254	107	112	148	140	91	106	112
Other	26	35	29	82	30	13	104	80	75
Subtotal	311	598	465	570	541	568	508	n.a.	n.a.
United States	65	89	67	75	25	59	23	n.a.	n.a.
TOTAL	376	687	532	645	566	627	531	571	660
SWEDEN									
Argentina	23	74	124	111	3	....	n.a.	n.a.	n.a.
Australia	100	58	36	15	56	74	55	58	48
South Africa	66	169	73	83	82	112	99	107	76
Other	27	14	21	18	50	30	49	49	77
Subtotal	216	315	254	227	191	216	203	214	201
United States	78	91	107	121	125	131	85	47	29
TOTAL	294	406	361	348	316	347	288	261	230
UNITED KINGDOM									
Australia	637	519	362	353	317	356	437	684	226
Greece	....	49	169	257	356	411	740	932	1,228
Italy	....	30	257	276	582	515	699	518	617
South Africa	2,542	3,071	2,796	2,140	2,271	1,860	158	1,072	1,110
Other	105	24	47	35	29	29	25	124	73
Subtotal	3,273	3,690	3,627	3,061	3,555	3,171	3,483	3,330	3,254
United States	11	3	4	225	14	21	8	3	1
TOTAL	3,284	3,693	3,631	3,286	3,569	3,192	3,491	3,333	3,255
			PEARS — *1,000 cases basis 24 No. 2 1/2 cans, 45 lb. per case*						
CANADA									
Australia	210	244	278	351	291	156	167	198	175
Other	30	17	13	....	17	51	97	107	143
Subtotal	240	261	291	....	308	207	264	305	318
United States	45	69	80	51	57	41	40	34	18
TOTAL	285	330	371	402	365	248	304	339	336
FRANCE									
Italy	204	237	343	378	399	401	517	639	449
Other	31	28	64	125	41	26	42	117	83
TOTAL	235	265	407	503	440	427	559	756	532
GERMANY, W.									
Australia	259	207	151	322	473	190	260	309	....
China, Mainland	21	46	13	69	48	110	178	121	102
Italy	1,304	1,630	1,283	799	819	1,211	1,315	1,059	957
South Africa	32	63	20	87	100	74	59	131	74
Other	149	79	40	66	37	41	59	24	46
TOTAL	1,765	2,025	1,507	1,343	1,477	1,626	1,871	1,644	1,179
UNITED KINGDOM									
Australia	589	909	416	607	711	561	523	634	348
Italy	331	381	285	136	420	445	528	421	604
South Africa	965	1,586	1,226	904	870	811	785	567	611
Spain	157	157	135	22	29	30	47	21	130
Other	8	9	12	3	23	43	55	26	31
TOTAL	2,050	3,042	2,074	1,672	2,053	1,890	1,938	1,668	1,724
			PINEAPPLE — *1,000 cases basis 24 No. 2 1/2 cans*						
CANADA									
Australia	87	95	40	51	41	85	74	67	43
China, Taiwan	117	149	67	69	75	124	36	16	7
Philippines	553	389	383	414	502	604	547	392	239
Singapore	93	98	50	87	38	27	26	15	13
South Africa	169	177	64	130	138	136	171	132	144
Thailand	96	105	134	347	324	410	358	365	417
United States	191	219	337	257	281	296	518	369	317
Other	69	126	50	42	34	29	24	18	15
TOTAL	1,375	1,358	1,125	1,397	1,433	1,711	1,754	1,374	1,195

---

[1] Includes canned apricots.

n.a. Not available.

IMPORTS INTO SPECIFIED COUNTRIES—FRUITS—Continued

Importing Country and Country of origin	Calendar Year								
	1975	1976	1977	1978	1979	1980	1981	1982	1983
PINEAPPLE —*Continued - 1,000 cases basis 24 No. 2 1/2 cans*									
FRANCE									
Ivory Coast	805	1,004	941	1,064	874	919	941	618	411
Kenya	3	3	99	124	137	267	266	193	240
Martinique	455	503	333	245	376	406	472	409	473
Philippines	....	....	20	141	92	101	87	113	138
South Africa	8	1	18	77	41	118	7	71	n.a.
Thailand	....	....	57	205	127	157	137	438	223
United States	100	117	63	53	13	10	23	10	n.a.
Other	3	19	26	75	35	30	69	104	n.a.
TOTAL	1,374	1,647	1,557	1,984	1,695	2,008	2,002	1,956	1,622
WEST GERMANY									
China, Mainland	157	328	89	34	111	193	180	36	n.a.
China, Taiwan	201	123	5	....	36	....	....	....	n.a.
Ivory Coast	1,160	1,045	803	805	984	740	781	278	n.a.
Kenya	285	336	555	678	441	320	619	507	n.a.
Malaysia	134	192	143	81	44	58	64	66	n.a.
Philippines	123	494	393	454	540	581	582	596	n.a.
South Africa	623	530	218	366	302	281	156	496	n.a.
Swaziland	126	139	140	81	218	220	231	172	n.a.
Thailand	369	492	826	1,185	1,091	1,334	1,263	1,637	n.a.
United States	193	120	127	123	71	60	37	43	n.a.
Other	155	145	216	323	121	161	106	41	n.a.
TOTAL	3,526	3,944	3,515	4,130	3,959	3,948	4,019	3,872	n.a.
JAPAN									
China, Taiwan	96	237	326	269	282	246	241	78	53
Malaysia	50	96	125	178	165	123	126	158	167
Philippines	145	191	323	407	386	252	291	298	252
Thailand	96	141	239	302	280	129	140	331	213
Other	6	9	21	33	37	26	23	21	27
TOTAL	393	674	1,034	1,189	1,150	776	821	886	712
UNITED KINGDOM									
Kenya	81	221	295	269	671	541	523	454	520
Malaysia	478	772	832	793	505	n.a.	n.a.	n.a.	n.a.
Philippines	240	148	248	166	132	158	400	406	359
Singapore	347	....	....	....	171	n.a.	n.a.	n.a.	n.a.
South Africa	635	508	468	495	578	622	435	675	450
Swaziland	95	74	185	79	167	121	281	182	255
United States	18	17	9	....	....	....	....	....	....
Other	162	65	227	113	235	921	705	868	597
TOTAL	2,056	1,805	2,264	1,915	2,459	2,363	2,344	2,585	2,181
UNITED STATES									
China, Taiwan	761	624	388	190	476	829	246	150	57
Ivory Coast	41	82	86	76	49	83	80	27	3
Malaysia	180	285	291	260	270	178	144	214	212
Mexico	338	604	680	793	624	602	247	171	142
Philippines	4,109	4,832	4,863	4,651	5,282	4,933	4,265	4,579	4,550
Singapore	315	252	197	133	130	219	242	235	188
South Africa	161	137	135	148	166	183	405	574	708
Thailand	909	1,273	1,917	2,200	2,964	3,214	3,860	3,511	3,061
Other	96	89	57	27	44	24	60	46	77
TOTAL	6,910	8,178	8,614	8,478	10,005	10,265	9,549	9,507	8,998
FROZEN ORANGE CONCENTRATE—*1,000 gallons at 42° brix*									
CANADA									
Belize	304	495	146	....	....	....	....	....	....
Brazil	6,974	5,917	6,001	12,305	11,951	11,299	16,865	16,072	14,148
Mexico	282	396	1,425	886	732	380	730	651	856
Panama	148	....	99	63	....	23	....	....	....
U.S.[1]	6,370	7,778	7,122	6,464	7,991	9,387	9,459	7,904	8,889
Other	28	8	59	17	17	....	....	26	160
TOTAL	14,106	14,594	14,852	19,735	20,691	21,089	27,054	24,653	24,053

[1] Assumes that 5% of U.S. shipments are bulk concentrate at 65° mix. n.a.-Not available.

IMPORTS INTO SPECIFIED COUNTRIES —Continued

CANNED VEGETABLES

1,000 cases, equiv. 24/303's (24 lbs.)

Importing Country and Country of origin	Calendar Year 1975	1976	1977	1978	1979	1980	1981	1982	1983
ASPARAGUS — *1,000 cases basis 24/303 cans, 24 lb. per case*									
BELGIUM-LUX									
China, Taiwan	290	358	301	336	392	332	235	226	n.a.
Germany, West	18	53	34	32	20	5	11	8	n.a.
Netherlands	16	47	22	37	27	25	30	51	n.a.
Other	23	11	13	8	10	17	16	31	n.a.
TOTAL	347	469	370	413	449	379	292	316	n.a.
FRANCE									
China, Taiwan	6	50	181	445	643	1,015	1,047	972	n.a.
Mexico	.....	.....	39	173	171	208	175	246	n.a.
Spain	249	503	425	309	126	129	92	92	n.a.
Other	.....	4	26	30	40	73	89	100	n.a.
TOTAL	255	557	671	957	980	1,425	1,403	1,410	n.a.
WEST GERMANY									
Belgium-Lux	17	29	31	12	4	....	....	....	n.a.
Brazil	55	72	97	62	55	56	28	23	n.a.
China, Taiwan	4,899	4,373	3,875	4,677	4,284	3,605	3,012	2,474	n.a.
Japan	14	9	12	8	....	....	....	2	n.a.
Mexico	....	69	29	11	11	2	2	12	n.a.
Netherlands	133	153	119	180	277	332	297	260	n.a.
South Africa	4	12	78	81	82	....	29	51	n.a.
Spain	67	169	121	88	69	66	95	97	n.a.
Other	104	60	128	127	127	147	148	202	n.a.
TOTAL	5,293	4,946	4,490	5,246	4,909	4,208	3,611	3,121	n.a.
NETHERLANDS									
China, Taiwan	271	338	294	393	380	387	221	229	n.a.
Germany, West	42	107	96	86	37	30	50	53	n.a.
Other	22	33	15	23	30	19	43	37	n.a.
TOTAL	335	478	405	502	447	436	314	319	n.a.
SWEDEN									
China, Taiwan	227	243	232	232	210	252	256	318	n.a.
Mexico	1	9	30	20	22	27	8	14	n.a.
United States	14	11	11	13	10	8	6	4	n.a.
Other	6	4	8	3	8	14	11	24	n.a.
TOTAL	248	267	281	268	250	301	281	360	n.a.
BEANS, GREEN OR WAX — *1,000 cases basis 24/303 cans, 24 lb. per case*									
BELGIUM-LUX									
China, Mainland	626	290	163	172	232	196	251	240	n.a.
France	345	425	202	297	251	388	420	389	n.a.
Italy	57	59	58	28	67	89	85	75	n.a.
Netherlands	96	276	93	137	327	169	109	121	n.a.
Other	79	117	197	101	263	78	69	52	n.a.
TOTAL	1,203	1,167	713	735	930	920	934	877	n.a.
FRANCE									
Belgium-Lux	12	76	124	32	127	....	67	274	n.a.
Italy	109	281	137	56	66	218	148	118	n.a.
Morocco	267	441	581	475	610	614	675	930	n.a.
Spain	71	398	133	46	14	....	14	11	n.a.
Other	1	73	293	12	49	47	20	38	n.a.
TOTAL	460	1,269	1,268	621	866	879	924	1,366	n.a.
NETHERLANDS									
Belgium-Lux	384	387	223	176	295	109	271	317	n.a.
China, Mainland	850	778	396	557	673	590	782	476	n.a.
France	186	52	25	45	176	150	216	106	n.a.
United States	....	137	192	....	....	....	....	....	n.a.
Other	145	87	135	66	78	67	95	151	n.a.
TOTAL	1,565	1,441	971	844	1,222	916	1,364	1,050	n.a.

n.a.-Not available.

IMPORTS INTO SPECIFIED COUNTRIES, VEGETABLES—Continued

Importing Country and Country of origin	Calendar Year								
	1975	1976	1977	1978	1979	1980	1981	1982	1983
MUSHROOMS—*1,000 cases basis 24 lb., drained weight per case*									
CANADA*									
China, Mainland	136	172	257	247	331	418	355	566	597
China, Taiwan	310	379	494	370	630	595	418	304	195
France	16	25	79	83	76	76	81	101	53
Hong Kong	11	....	14	14	64	38	249	231	232
Korea, Republic of	303	145	480	422	551	185	331	229	107
South Africa	....	12	44	41	49	29	5	....	....
United Kingdom	43	62	71	3	....	....	....	....	....
Other	23	29	36	49	62	38	51	28	50
TOTAL	842	824	1,475	1,229	1,763	1,379	1,490	1,459	1,234
WEST GERMANY*									
Belgium-Lux	154	114	144	137	122	112	153	92	n.a.
China, Mainland	901	892	844	1,004	1,631	1,541	1,627	1,200	n.a.
China, Taiwan	1,013	431	571	818	3	71	73	47	n.a.
France	1,869	1,832	1,590	1,530	1,283	1,678	1,759	1,726	n.a.
Italy	20	76	170	163	168	61	68	41	n.a
Korea, Republic of	151	104	163	542	2	264	226	112	n.a.
Netherlands	1,395	1,618	1,788	1,922	2,259	2,364	2,630	2,722	n.a.
Spain	....	....	28	101	....	55	14	32	n.a.
Other	49	75	59	105	18	51	48	116	n.a.
TOTAL	5,557	5,142	5,357	6,322	5,486	6,197	6,598	6,088	n.a.
UNITED STATES									
China, Mainland	3	5	2	1	11	618	1,140	1,525	1,527
China, Taiwan	1,460	1,676	2,040	2,051	1,886	2,239	856	1,472	1,620
Hong Kong	11	10	146	401	606	816	978	678	711
Korea, Republic of	583	964	782	1,069	1,189	809	391	216	333
Other	162	151	114	157	157	154	133	175	323
TOTAL	2,219	2,806	3,084	3,679	3,849	4,636	3,498	4,066	4,514
CANNED PEAS — *1,000 cases basis 24/303 cans, 24 lb. per case*									
GERMANY, W.									
Belgium-Lux	3,009	3,098	1,968	1,593	2,229	1,670	1,241	1,254	n.a.
France	4,428	4,402	3,483	4,024	3,312	3,980	3,198	2,779	n.a.
Italy	125	838	539	187	249	388	824	590	n.a.
Netherlands	202	241	261	229	266	338	506	645	n.a.
Romania	....	42	36	32	....	....	14	10	n.a.
Other	40	48	49	44	26	78	[1]245	159	n.a.
TOTAL	7,804	8,669	6,336	6,109	6,082	6,454	6,028	5,437	n.a.
NETHERLANDS									
Belgium-Lux	1,313	1,438	997	838	697	283	654	872	n.a.
France	744	754	626	810	641	901	776	190	n.a.
Other	14	63	36	40	31	18	40	102	n.a.
TOTAL	2,071	2,255	1,659	1,688	1,369	1,202	1,470	1,164	n.a.
CANNED TOMATOES — *1,000 cases basis 24/303 cans, 24 lb. per case*									
CANADA									
Bulgaria	405	105	60	90	15	51	78	152	34
China, Taiwan	960	1,068	273	12	5	9	18	41	12
Israel	66	169	225	164	301	114	173	162	38
Italy	204	426	292	338	356	465	818	1,019	458
Portugal	10	16	37	87	147	102	171	171	175
Spain	471	705	771	962	658	424	800	985	840
United States	1,180	1,452	1,077	1,184	1,502	1,309	1,015	547	443
Other	86	55	45	41	3	12	[2]273	145	42
TOTAL	3,382	3,996	2,780	2,878	2,987	2,486	3,346	3,222	2,042
FRANCE									
Bulgaria	56	15	27	25	6	....	....	....	n.a.
Greece	146	121	186	262	503	260	128	129	n.a.
Israel	....	51	66	90	71	53	73	25	n.a.
Italy	2,044	2,248	1,824	2,200	2,499	3,328	4,518	3,402	n.a.
Morocco	96	108	156	110	13	14	20	29	n.a.
Spain	7	91	278	818	265	96	33	62	n.a.
Other	2	6	1	....	18	4	4	....	n.a.
TOTAL	2,351	2,640	2,538	3,505	3,375	3,755	4,776	3,647	n.a.

*All figures revised in 1983 Almanac. n.a.-Not available. [1] Includes 144 cases from East Europe.
[2] Includes 154 cases from Hong Kong.

IMPORTS INTO SPECIFIED COUNTRIES, VEGETABLES—Continued

CANNED TOMATOES—*Continued*

Importing Country and Country of origin	1975	1976	1977	1978	1979	1980	1981	1982	1983
	Calendar Year								
GERMANY, W.									
Bulgaria	196	156	118	307	215	146	292	325	n.a.
Greece	574	181	94	127	401	26	61	74	n.a.
Italy	2,293	3,637	3,616	3,897	4,063	5,242	6,497	6,540	n.a.
Spain	51	71	69	258	71	44	48	41	n.a.
China, Mainland	62	21	51	257	304	518	70	13	n.a.
Israel	37	10	20	26	176	180	138	71	n.a.
Other	30	22	19	77	15	6	10	18	n.a.
TOTAL	3,243	4,098	3,987	4,949	5,245	6,162	7,116	7,082	n.a.
NETHERLANDS[1]									
Germany, West	32	75	135	19	102	183	14	33	n.a.
Greece	724	971	1,013	997	1,083	915	14	7	n.a.
Hungary	74	....	146	178	97	110	....	....	n.a.
Italy	421	782	599	512	657	802	560	486	n.a.
Portugal	9	138	265	204	195	302	....	....	n.a.
Spain	36	66	71	43	160	128	43	40	n.a.
Other	49	180	85	163	73	82	51	18	n.a.
TOTAL	1,345	2,212	2,314	2,116	2,367	2,522	682	584	n.a.
UNITED KINGDOM									
Bulgaria	498	467	567	756	651	342	467	476	n.a.
Italy	5,749	10,084	9,640	9,555	13,957	12,843	17,320	16,528	n.a.
Spain	2,655	3,336	3,528	2,635	1,773	969	733	524	n.a.
Other	220	312	377	566	389	317	402	428	n.a.
TOTAL	9,122	14,199	14,112	13,512	16,770	14,471	18,922	17,956	n.a.
UNITED STATES									
Greece	93	26	....	1	1	....	....	69	184
Israel	88	234	289	310	229	173	598	1,030	2,032
Italy	1,667	2,050	1,809	1,761	1,092	1,171	2,380	3,217	2,536
Mexico	150	12	28	24	31	21	13	4	4
Morocco	....	....	16	3	....	....	....	....	....
Spain	854	738	699	946	510	246	983	2,386	2,534
Other	20	30	163	45	36	51	77	253	490
TOTAL	2,872	3,090	3,004	3,090	1,899	1,662	4,051	6,959	7,780

TOMATO JUICE —*1,000 cases basis 24/303 cans, 24 lb. per case*

Importing Country and Country of origin	1975	1976	1977	1978	1979	1980	1981	1982	1983
CANADA									
Israel	1	....	19	3	6	1	1	....	....
United States	85	183	158	96	102	103	106	57	33
Other	....	4	....	....	....	....	1	....	1
TOTAL	86	187	177	99	108	104	108	57	34
FRANCE									
Belgium-Lux	4	2	3	3	8	12	24	36	n.a.
Germany, W.	2	11	....	2	6	2	7	5	n.a.
Greece	6	....	10	3	....	....	....	....	n.a.
Italy	114	122	251	126	160	100	110	109	n.a.
Israel	....	16	46	47	65	52	72	57	n.a.
Morocco	50	9	2	4	....	....	....	....	n.a.
Other	3	6	51	5	4	4	10	3	n.a.
TOTAL	179	166	363	190	243	170	223	210	n.a.
JAPAN									
United States	21	12	15	35	55	50	27	19	12
Israel	....	1	4	3	1	1	....	....	....
Other	7	....	1	....	1	1	....	....	1
TOTAL	28	13	20	38	57	52	27	19	13
UNITED KINGDOM									
Greece	208	100	78	41	....	....	....	n.a.	n.a.
Israel	1,242	1,311	1,169	1,230	1,546	1,047	713	n.a.	n.a.
Italy	126	....	3	3	....	41	13	n.a.	n.a.
Spain	74	65	99	8	....	....	....	n.a.	n.a.
Other	27	118	122	122	97	71	38	n.a.	n.a.
TOTAL	1,677	1,594	1,471	1,404	1,643	1,159	764	n.a.	n.a.

[1] Data for 1981 are Tomatoes, Canned only; previous years included an unknown quantity of Tomato Concentrates. n.a.-Not available.

IMPORTS INTO SPECIFIED COUNTRIES, VEGETABLES—Continued

Importing Country and Country origin	Calendar Year								
	1975	1976	1977	1978	1979	1980	1981	1982	1983
TOMATO CONCENTRATES—*1,000 cases basis 24/303 cans, 24 lb. per case*									
CANADA									
Greece	43	148	155	172	189	49	47	34	56
Italy	74	12	4	13	19	7	93	263	366
Mexico	53	89	41	133	123	185	131	84	25
Portugal	450	466	676	707	708	846	840	389	403
Spain	295	262	228	259	153	62	193	51	25
United States	500	834	753	743	955	615	495	272	187
Other	169	159	254	391	258	79	322	294	395
TOTAL	1,584	1,970	2,111	2,418	2,405	1,843	2,121	1,387	1,457
FRANCE									
Greece	709	603	678	407	311	266	182	148	n.a.
Italy	1,214	1,465	631	791	959	1,173	1,542	1,308	n.a.
Morocco	355	108	401	215	66	4	1	....	n.a.
Spain	234	149	263	109	187	39	36	36	n.a.
Other	267	241	471	155	353	104	55	56	n.a.
TOTAL	2,779	2,566	2,444	1,677	1,876	1,586	1,816	1,548	n.a.
GERMANY, W.									
Greece	1,419	1,123	780	400	810	889	426	954	n.a.
Hungary	46	....	23	105	....	....	....	13	n.a.
Italy	2,429	3,494	2,766	3,619	3,894	4,032	4,452	4,399	n.a.
Netherlands	34	22	104	61	15	10	25	17	n.a.
Portugal	140	278	21	102	38	33	5	3	n.a.
Spain	28	79	58	44	65	....	136	145	n.a.
Turkey	22	24	79	36	29	47	42	51	n.a.
Israel	29	63	124	126	66	....	163	76	n.a.
Other	277	58	103	296	139	94	107	96	n.a.
TOTAL	4,424	5,141	4,058	4,789	5,056	5,105	5,356	5,754	n.a.
JAPAN									
United States	82	39	45	140	112	108	58	47	41
Bulgaria	26	....	5	37	11	4	5	....	1
Greece	40	34	35	....	....	44	....	44	397
Portugal	460	235	417	336	358	518	332	283	353
Turkey	289	94	201	....	....	1	....	35	437
Chile	....	....	34	25	109	27	....	36	163
China, Mainland	64	33	30	93	269	281	421	300	357
China, Taiwan	1,194	1,282	1,944	2,827	2,852	3,491	2,422	2,155	2,376
Mexico	42	29	64	3	9	10	....	....	....
Other	242	111	53	33	28	9	24	29	19
TOTAL	2,439	1,857	2,828	3,494	3,748	4,493	3,262	2,929	4,144
SWEDEN									
Argentina	92	1	21	158	19	....	....	....	n.a.
Bulgaria	19	42	51	48	104	56	39	70	n.a.
China, Mainland	34	62	83	101	132	162	44	62	n.a.
Hungary	110	11	25	51	48	52	64	97	n.a.
Israel	26	38	45	56	110	117	68	83	n.a.
Italy	90	150	258	269	296	619	678	703	n.a.
Portugal	68	80	143	162	184	270	262	239	n.a.
Spain	481	649	457	409	487	479	418	586	n.a.
Other	33	63	51	51	25	38	49	84	n.a.
TOTAL	953	1,096	1,134	1,305	1,405	1,793	1,622	1,924	n.a.
UNITED KINGDOM									
Greece	477	1,232	1,706	552	2,027	1,822	1,722	2,697	n.a.
Israel	285	....	....	263	357	130	234	162	n.a.
Italy	623	674	669	652	1,269	1,680	2,281	2,683	n.a.
Portugal	1,723	2,046	2,594	783	1,377	1,526	457	335	n.a.
Spain	361	1,644	1,936	202	531	544	287	136	n.a.
Turkey	301	655	460	176	167	130	310	441	n.a.
Other	543	1,984	1,380	481	686	662	121	158	n.a.
TOTAL	4,313	8,235	8,745	3,109	6,414	6,494	5,412	6,612	n.a.
UNITED STATES									
Chile	19	149	101	182	215	8	81	126	139
China, Taiwan	13	43	440	175	121	1	349	2,126	953
Israel	54	282	512	364	227	67	790	1,044	1,382
Mexico	129	558	1,014	1,173	949	781	694	1,504	1,329
Portugal	223	792	253	128	103	187	460	1,133	1,314
Spain	110	330	232	229	149	17	276	394	572
Turkey	214	9	5	....	....	....	57	260	287
Other	358	139	160	170	105	69	390	[1]2,574	[2]1,706
TOTAL	1,120	2,302	2,717	2,421	1,869	1,130	3,097	9,161	7,682

[1] Includes 989,641 cases from Italy. [2] Includes 1,113 cases from Italy.

FRUIT PACKS IN SPECIFIED COUNTRIES BY COMMODITY

SOURCE: United States Department of Agriculture, Foreign Agricultural Service
Horticultural and Tropical Products Division

NOTE: The annual canned fruit packs in the Southern Hemisphere countries (Australia, South Africa, etc) commence in November or December of each year and become seasonally heavy in the following January or February. For the purposes of this table such packs are aligned with the U.S. packing marketing season which commences the following summer. For example, the Southern Hemisphere packs completed in early 1975 are shown under the column for 1975 (marketing season 1975-76)

MARKETING SEASONS BEGINNING YEAR SHOWN

Commodity and Country	1976	1977	1978	1979	1980	1981	1982	1983
1,000 cases, equiv. 24/2½'s (45 lbs.)								
APPLES & APPLESAUCE								
Canada	611	737	823	1,177	710	694	784	740
Germany, West	1,419	1,251	2,090	1,910	2,194	2,211	1,932	1,820
South Africa	247	262	438	284	238	204	n.a.	n.a.
United States	10,763	12,679	13,651	15,155	12,284	10,136	12,461	n.a.
APRICOTS								
Australia	423	602	338	640	341	545	240	436
Canada	49	34	46	47	66	31	46	33
Greece	1,599	2,186	500	1,250	1,676	2,515	2,352	2,841
South Africa	480	732	794	925	1,098	707	587	581
Spain	700	300	900	300	980	980	1,097	980
United States	2,387	2,269	2,127	2,887	2,994	1,208	1,626	1,167
CHERRIES								
France	408	242	516	570	495	421	658	541
Germany, West	1,258	786	1,183	1,383	2,004	1,717	2,286	2,852
Italy	210	210	165	230	375	416	432	441
Japan	613	630	551	669	450	539	615	622
United States:								
Red Pitted	438	605	582	526	545	213	471	189
Sweet	464	500	485	651	428	316	498	522
FRUIT MIXTURES								
Argentina	588	539	284	318	132	220	245	318
Australia	1,070	1,039	1,374	1,366	1,511	1,728	958	1,171
France[1]	1,220	895	1,029	1,036	991	1,070	1,112	1,293
Italy	2,500	3,330	3,540	2,705	2,915	2,603	2,415	2,499
Japan	334	451	214	387	295	185	192	196
South Africa	1,728	1,974	1,744	2,130	2,454	1,935	1,280	1,692
United States	14,854	15,139	13,857	16,960	18,041	13,928	11,123	9,558
PEACHES								
Argentina	3,919	3,184	1,702	1,960	1,911	1,861	1,935	2,009
Australia	2,879	2,656	2,313	2,589	2,645	3,406	1,841	1,871
Canada	256	232	151	192	238	142	252	205
Chile	381	394	461	805	563	612	588	563
France[1]	520	320	529	532	466	1,237	1,228	1,249
Greece	4,223	3,602	5,414	5,414	5,696	4,605	7,006	6,320
Italy	1,250	1,000	1,085	2,295	2,165	1,874	1,666	1,916
Japan	2,453	2,272	1,886	2,222	2,020	1,805	1,884	1,886
South Africa	5,890	5,443	4,750	5,347	6,443	4,158	3,658	3,253
Spain[1]	1,200	600	1,000	700	600	784	823	941
United States	24,983	29,414	21,529	25,031	26,765	21,763	18,608	11,421
PEARS								
Australia	1,739	1,654	2,233	2,923	2,705	2,284	2,046	1,411
Canada	388	393	458	519	487	398	296	261
France[1]	346	150	358	650	554	886	1,191	1,166
Italy	2,130	1,295	1,315	2,130	2,250	2,582	2,499	2,582
Japan	143	122	54	55	30	30	64	49
South Africa	1,828	1,712	1,456	1,595	1,782	1,415	937	1,051
United States	11,518	9,614	9,026	10,568	10,928	9,700	7,789	6,504
PLUMS & PRUNES								
Canada	[4]73	[4]62	[4]118	[4]91	[4]71	[4]57	52	20
Germany, West	1,019	649	659	710	700	338	874	636
United Kingdom	801	742	921	789	495	378	446	490
United States	1,042	817	923	711	1,066	940	375	443

See Notes on Following Page

WORLD FRUIT PACKS BY COMMODITY — Continued

Commodity and Country	1976	1977	1978	1979	1980	1981	1982	1983
PINEAPPLE								
Australia	1,923	1,379	1,591	2,064	1,587	1,715	1,421	1,519
Ivory Coast	3,550	2,613	2,744	2,954	2,758	2,841	784	490
Kenya[2]	1,465	2,221	2,375	2,300	1,884	n.a.	n.a.	n.a.
Malaysia	2,333	2,446	2,379	2,289	2,096	1,764	1,862	1,911
Martinique[3]	503	333	245	376	393	456	n.a.	n.a.
Mexico	2,368	3,035	3,118	3,464	3,545	3,135	1,225	392
Philippines	8,573	12,602	12,623	12,993	13,522	10,435	10,239	8,818
South Africa	2,477	2,402	2,652	2,693	2,666	2,890	2,694	2,596
Taiwan	1,136	908	1,265	1,500	1,817	245	98	196
Thailand	3,295	4,617	5,328	5,825	6,393	7,839	7,104	7,201
Hawaii	8,270	8,490	7,620	7,470	6,940	6,810	8,181	7,348

[1] Syrup pack only. [2] Exports only [3] Imports into France. [4] Plums only.

FRUIT PACKS BY COUNTRY

1,000 cases, equiv. 24/2½'s (45 lbs.)

(Pack year—See note on page 605)

Country and Commodity	1976	1977	1978	1979	1980	1981	1982	1983
AUSTRALIA								
Apricots	423	602	338	640	341	545	240	436
Fruit Mixtures	1,070	1,039	1,374	1,366	1,511	1,728	958	1,171
Peaches	2,879	2,656	2,313	2,589	2,645	3,406	1,841	1,871
Pears	1,739	1,654	2,233	2,923	2,705	2,284	2,046	1,411
Pineapple	1,923	1,379	1,591	2,064	1,587	1,715	1,421	1,519
Total (these prod.)	8,034	7,330	7,849	9,582	8,789	9,678	6,506	6,408
CANADA								
Apples & Sauce	611	737	823	1,177	710	694	784	740
Apricots	49	34	46	47	66	31	46	33
Peaches	256	232	151	192	238	142	252	205
Pears	388	393	458	519	487	398	296	261
Plums & Prunes	73	62	118	91	71	57	52	20
Total (these prod.)	1,352	1,451	1,596	2,026	1,572	1,322	1,430	1,259
FRANCE								
Cherries	408	242	516	570	495	421	658	541
Fruit Mixtures	1,220	895	1,029	1,036	991	1,070	1,112	1,293
Peaches	520	320	529	532	466	1,237	1,228	1,249
Pears	346	150	358	650	554	886	1,191	1,166
Total (these prod.)	2,494	1,607	2,432	2,788	2,506	3,614	4,189	4,249
GERMANY, WEST								
Apples & Sauce	1,419	1,251	2,090	1,910	2,194	2,211	1,932	1,820
Cherries	1,258	786	1,183	1,383	2,004	1,717	2,286	2,852
Plums & Prunes	1,019	649	659	710	700	338	874	636
Total (these prod.)	3,696	2,686	3,932	4,003	4,898	4,266	5,092	5,308
GREECE								
Apricots	1,599	2,186	500	1,250	1,676	2,515	2,352	2,841
Peaches	4,223	3,602	5,414	5,414	5,696	4,605	7,006	6,320
Total (these prod.)	5,822	5,788	5,914	6,664	7,372	7,120	9,358	9,161
ITALY								
Cherries	210	210	165	230	375	416	437	441
Fruit Mixtures	2,500	3,330	3,540	2,705	2,915	2,603	2,415	2,499
Peaches	1,250	1,000	1,085	2,295	2,165	1,874	1,666	1,916
Pears	2,130	1,295	1,315	2,130	2,250	2,582	2,499	2,582
Total (these prod.)	6,090	5,835	6,105	7,360	7,705	7,475	7,017	7,438
SOUTH AFRICA								
Apples & Sauce	247	262	438	284	238	204	n.a.	n.a.
Apricots	480	732	794	925	1,098	707	587	581
Fruit Mixtures	1,728	1,974	1,744	2,130	2,454	1,935	1,280	1,692
Peaches	5,890	5,443	4,750	5,347	6,443	4,158	3,658	3,253
Pears	1,828	1,712	1,456	1,595	1,782	1,415	937	1,051
Pineapple	2,477	2,402	2,652	2,693	2,666	2,890	2,694	2,596
Total (these prod.)	12,650	12,525	11,834	12,974	14,681	11,309	9,156	9,173

VEGETABLE PACKS IN SPECIFIED COUNTRIES BY COMMODITY

(Pack year—See note under fruit packs, this section)

SOURCE: United States Department of Agriculture, Foreign Agricultural Service
Horticultural and Tropical Products Division

Item & Country	1975	1976	1977	1978	1979	1980	1981	1982	1983
	1,000 cases, equiv. 24/303's (24 lbs.)								
ASPARAGUS									
Canada	572	512	442	524	536	659	629	530	379
France	218	336	274	258	140	96	118	137	P
Japan	1,034	993	1,128	1,313	1,145	1,106	878	804	643
Spain	1,669	1,929	1,929	1,745	2,140	2,296	2,067	1,791	2,067
Taiwan	5,501	6,443	6,503	6,133	6,853	8,071	5,191	5,733	P
United States	3,551	3,609	3,705	3,382	2,819	2,535	2,844	2,727	2,549
BEANS, GREEN									
Canada	1,775	1,217	1,724	2,020	1,698	1,808	1,611	1,577	1,752
France (a)	18,692	9,931	20,139	22,908	19,165	2,065	2,330	2,645	P
Germany, W.	3,233	2,175	3,452	2,438	3,249	2,284	2,576	2,439	1,603
Italy	4,501	3,399	3,674	3,476	2,664	2,710	2,480	1,998	1,983
United States	51,466	44,027	50,952	53,229	62,624	56,305	49,797	46,335	44,227
BEANS, WAX									
Canada	1,390	1,159	1,571	1,607	1,657	1,574	1,379	1,435	1,416
United States	3,924	3,394	3,541	3,892	3,657	3,384	3,012	2,496	2,279
BEANS, LIMA									
United Kingdom	1,008	1,260	859	859	937	873	781	n.a.	P
United States	3,729	2,812	2,657	3,356	3,061	2,833	2,602	2,275	2,338
BEETS									
Canada	706	600	580	n.a.	833	612	531	406	399
United States (b)	13,130	9,201	11,289	12,834	12,973	11,322	9,555	10,049	P
CARROTS									
Germany, W.	1,408	996	1,259	1,101	1.080	685	1,075	1,117	645
United Kingdom	9,203	8,297	8,736	7,513	4,712	5,153	5,778	4,317	3,215
United States (b)	4,717	5,221	6,586	6,609	6,928	5,084	4,639	4,525	P
CORN									
Canada (c)	5,940	5,679	2,276	2,036	2,783	2,650	2,641	2,892	2,526
United States	57,458	54,694	56,300	57,907	60,022	50,574	57,949	60,522	51,595
MUSHROOMS									
Canada	465	508	457	386	386	543	661	894	735
France	8,050	7,886	9,104	9,455	9,723	9,605	9,723	10,209	P
Germany, W.	155	139	205	362	318	409	371	331	469
Korea, Rep.	1,412	1,763	2,500	2,526	1,850	1,177	692	485	P
Taiwan	2,083	2,634	4,129	4,239	4,047	2,785	2,477	2,312	2,316
PEAS, GREEN									
Canada	5,044	3,799	3,904	3,121	3,718	3,508	3,080	3,312	2,403
France	23,503	11,704	20,144	17,888	18,750	12,560	15,582	19,845	P
Germany, W.	1,008	827	808	737	805	672	700	1,127	462
Italy	4,960	4,225	5,052	4,966	4,593	4,593	4,593	4.140	4,156
United Kingdom	7,728	6,543	8,960	6,552	5,962	6,099	5,438	11,942	11,482
United States	35,172	31,927	30,238	25,249	36,492	30,056	27,296	24,790	27,296
SAUERKRAUT									
Germany, W.	5,114	4,904	n.a.	9,221	9,791	8,729	11,724	11,758	n.a.
United States (b)	[1]9,859	[1]9,409	[1]9,419	[1]9,509	[1]9,016	[1]8,173	[1]8,686	[1]8,417	n.a.
SPINACH									
France	1,804	2,358	2.124	2,030	1,403	1,903	1,672	2,199	P
United States (b)	8,328	6,304	7,108	6,214	8,121	6,314	5,458	n.a.	P
TOMATOES									
Canada	3,195	3,396	3,750	3,893	4,654	4,078	4,948	6,940	4,674
Greece	1,010	1,653	1,378	2,296	2,296	2,756	1,002	919	919
Italy	54,196	46,388	60,443	76,885	101,044	97,369	92,777	84,510	88,184
Portugal	866	459	815	837	611	562	735	919	919
Spain	17,012	14,697	13,779	11,023	10,104	10,564	8,175	10,104	9,278
Taiwan	1,466	1,317	717	791	525	799	367	459	735
United States	53,465	42,805	54,124	49,241	52,896	53,096	51,937	63,089	P

(a) Prior to 1980, included green beans, string beans and butter beans. (b) Pack beginning year shown. (c) Whole kernel only, beginning in 1977. P - Not available at press time.

[1] Revised, tin & glass only.

WORLD VEGETABLE PACKS BY COMMODITY — Continued

Item & Country	1975	1976	1977	1978	1979	1980	1981	1982	1983
TOMATO CONCENTRATES									
Canada	n.a.	n.a.	n.a.	n.a.	480	534	911	1,495	1,106
France	2,721	2,157	2,213	4,255	4,077	4,970	4,950	4,593	3,766
Greece	7,168	3,982	7,418	11,415	11,946	14,601	11,946	11,614	11,614
Italy	13,319	10,564	11,482	20,209	29,854	27,282	28,017	27,925	28,476
Mexico	2,778	2,717	3,919	3,702	4,409	5,511	5,144	n.a.	n.a.
Portugal	12,125	7,808	10,369	9,367	7,879	6,707	5,971	7,073	9,002
South Africa	1,281	1,335	1,049	486	485	363	....	n.a.	n.a.
Spain	6,889	2,113	4,593	3,674	3,491	4,501	4,614	5,328	4,684
Taiwan	1,302	1,657	1,911	3,443	3,204	2,388	3,674	3,766	2,663
Turkey	4,593	4,134	3,674	3,674	4,593	4,409	4,593	n.a.	n.a.
TOMATO JUICE									
Canada	7,612	8,917	11,124	10,599	8,937	7,590	8,821	8,505	7,129
Greece	367	276	919	1,010	1,378	1,838	873	735	n.a.
Italy	3,399	3,858	3,950	4,134	4,225	10,104	2,388	1,952	1,874
Spain	423	367	459	367	349	367	276	257	n.a.
United States	35,353	32,155	27,844	33,920	31,517	26,617	17,507	23,955	n.a.

[1] Includes small quantities of canned tomatoes.

VEGETABLE PACKS BY COUNTRY

(Pack year—See note on page 603)

1,000 cases, equiv. 24/303's (24 lbs.)

	1975	1976	1977	1978	1979	1980	1981	1982	1983
CANADA									
Asparagus	572	412	442	524	536	659	629	530	n.a.
Beans, grn	1,775	1,217	1,724	2,020	1,698	1,808	1,611	1,577	n.a.
Beans, wax	1,390	1,159	1,571	1,607	1,657	1,574	1,379	1,435	n.a.
Beets	706	600	580	n.a.	833	612	531	406	n.a.
Corn	5,940	5,679	[1]2,276	[1]2,036	[1]2,783	[1]2,650	[1]2,641	[1]2,892	n.a.
Peas, green	5,044	3,799	3,904	3,121	3,718	3,508	3,080	3,312	n.a.
Tomatoes	3,195	3,396	3,750	3,893	4,654	4,078	4,948	6,940	n.a.
Tomato Juice	7,612	8,917	11,124	10,599	8,937	7,590	8,821	8,505	n.a.
Mushrooms	465	508	457	386	386	543	661	n.a.	n.a.
FRANCE									
Asparagus	218	336	274	258	140	96	118	137	n.a.
Beans, grn.[2]	18,692	9,931	20,139	22,908	19,165	2,065	2,330	2,645	n.a.
Mushrooms	8,050	7,886	9,104	9,455	9,723	9,605	9,723	10,209	n.a.
Peas, green	23,502	11,704	20,144	17,888	18,750	12,560	15,582	19,845	n.a.
Spinach	1,804	2,358	2,124	2,030	1,403	1,903	1,672	2,199	n.a.
Tomato conc.[3]	2,721	2,157	2,213	4,255	4,077	4,970	4,950	5,511	n.a.
GERMANY, WEST									
Beans, grn	3,233	2,175	3,452	2,438	3,249	2,284	2,576	2,439	n.a.
Carrots	1,408	996	1,259	1,101	1,080	685	1,075	1,117	n.a.
Mushrooms	155	139	205	362	318	409	371	331	n.a.
Peas, green	1,008	827	808	737	805	672	700	1,127	n.a.
Sauerkraut	5,114	4,904	n.a.	9,221	9,791	8,729	11,724	11,758	n.a.
ITALY									
Beans, grn	4,501	3,399	3,674	3,476	2,664	2,710	2,480	n.a.	n.a.
Peas, grn	4,960	4,225	5,052	4,966	4,593	4,593	4,593	n.a.	n.a.
Tomatoes	54,196	46,388	60,443	76,885	101,044	97,369	92,777	84,510	n.a.
Tomato conc	13,319	10,839	11,942	17,959	26,897	27,282	28,017	24,342	n.a.
Tomato juice	3,399	3,858	3,950	4,134	4,225	10,104	2,388	2,205	n.a.
PORTUGAL									
Tomato conc	12,125	7,808	10,369	9,367	7,879	6,707	5,785	7,441	n.a.
SPAIN									
Asparagus	1,669	1,929	1,929	1,754	2,140	2,296	2,067	1,791	n.a.
Tomato conc	6,889	2,113	4,593	3,674	3,491	4,501	3,858	4,409	n.a.
Tomato juice	423	367	459	367	349	367	276	257	n.a.
UNITED KINGDOM									
Beans, butter	1,008	1,260	859	859	937	873	781	n.a.	n.a.
Carrots	9,203	8,297	8,736	7,513	4,712	5,153	5,778	n.a.	n.a.
Peas, grn	7,728	6,543	8,960	6,552	5,962	6,099	5,438	n.a.	n.a.

[1] Whole kernel only. [2] Prior to 1980, included green beans, string beans and butter beans. [3] Includes small quantities of canned tomatoes.

THE ALMANAC

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

Section X

CANNED FOOD PRICES

Source:Monthly issues of "Food Production/Management"

Prices given represent the high and low canners spot selling price, f.o.b. factory, subject to customary discounts, including brokerage. Prices per case, unless otherwise noted. The first price (or range) for a given item, in a given year, does not necessarily represent the price for the first of the month indicated, as every effort was made to reflect opening prices. Date of opening prices depends on the season, the area and the market situation. Where no price is shown, no price was listed in the Source.

VEGETABLES

	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
ASPARAGUS							
Calif., fcy. all gr. Sp., 24/300							
Mam/Lg March 1	20.50	25.50	30.00	30.00	32.00	31.80-33.50	31.80-35.00
Mam/Lg July 1	20.80	30.00	30.00	30.00	32.00	31.80-35.00	31.80-35.00
Mam/Lg Oct 1	21.80	30.00	30.00	30.00	32.00	31.80-35.00	31.80-35.75
Mam/Lg Jan 1	22.90	30.00	30.00	30.00	32.00	31.80-35.00	31.80-35.75
BEANS—GR., SNAP							
East, fcy. cut, 3 sv. 24/303							
Aug. 1	6.00-6.10	6.00-6.15	6.25-6.70	6.70	7.00-7.20	6.75-7.20	6.90-7.35
Oct. 1	5.60-6.00	6.00-6.36	6.30-6.70	6.90	7.00-7.10	6.50-7.20	7.25-8.35
Jan. 1	5.90-6.15	6.00-6.70	6.30-6.50	6.80-7.20	7.00-7.20	6.25-6.90	7.25-8.35
Apr. 1	6.00-6.35	6.30-6.70	6.50-6.70	6.90-7.35	7.00-7.20	6.40-6.90	7.60-8.35
East fcy. fr. style, 24/303							
Aug. 1	6.05-6.25	6.20-6.30	6.50-6.70	6.75-6.80	7.25-7.50	6.80-7.50	7.40-8.00
Oct. 1	5.90-6.00	6.25-6.35	6.50-6.60	6.90-7.00	7.00-7.25	6.75-7.50	7.75-8.75
Jan. 1	6.00-6.20	6.25-6.50	6.50-6.60	6.80-7.20	7.00-7.50	6.75-7.50	7.75-8.75
Apr. 1	6.00-6.30	6.50-6.70	6.50-6.60	6.80-7.20	6.80-7.50	7.00-7.50	7.50-8.75
Midwest ex. std. cut, 3 sv. 24/303							
Aug. 1	5.20-5.25	5.35-5.50	5.80-5.90	5.90	[1]6.25	[1]5.50-5.60	[1]6.35
Oct. 1	5.00-5.20	5.50-5.60	5.90	6.25-6.50	[1]6.25	[1]5.35-5.50	[1]6.25-6.50
Jan. 1	5.20	5.65-5.80	5.80-5.90	5.75-6.25	[1]5.70-6.25	[1]5.35-5.75	[1]6.40-6.50
Apr. 1	5.20-5.35	5.75-5.90	5.90-6.10	6.20-6.50	[1]5.60-5.75	[1]5.35-5.50	[1]6.50-7.00
South Std. cut 24/303							
Aug. 1	5.25	5.60	5.75	5.75	6.25	6.00	6.00
Oct. 1	5.10	5.60	5.75	5.75	6.25	6.00	6.25
Jan. 1	5.10	5.75	5.75	5.75	6.25	6.00	6.25
April. 1	5.10	5.75	5.75	5.75	6.00	6.00	6.25-6.50

[1] 4 sieve.

CANNED FOOD PRICES—Continued

GR. BEANS *Cont.*	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
N.W. Bl. Lakes fcy. cut 3 sieve 24/303							
Aug. 1	5.70-5.95	7.05-7.10	7.25	6.85-7.10	7.50	6.20-7.30	6.50-7.45
Oct. 1	5.70-6.15	7.10	7.25	6.75-7.10	7.25	5.90-7.30	6.95-8.45
Jan. 1	5.90-6.25	7.10	7.00-7.10	6.75-7.30	7.25	5.90-7.00	6.95-7.70
April 1	5.90-6.45	7.10	6.50	6.60-7.30	7.00	5.80-6.60	7.25-7.70
6/10							
Aug. 1	6.85-7.55	9.40	10.50	9.75-10.15	9.50	7.50-10.50	9.25-9.50
Oct. 1	7.25	9.65	10.50	9.75-10.15	9.50	8.75-10.50	9.75-10.25
Jan. 1	7.75-7.95	10.15	10.00-10.25	9.75-10.50	9.50	8.75-10.50	10.00-10.25
April 1	7.95-8.25	10.15	10.25	8.50-10.50	9.00	9.00-9.25	10.75
BEANS (WAX)							
East fcy. cut 3 sieve 24/303							
Aug. 1	5.60-5.80	5.95-6.25	6.35-6.65	6.95	7.50	6.50-7.50	7.25-7.70
Oct. 1	6.00	6.35-6.50	6.75-6.80	6.95	7.30	7.30-7.50	7.50-8.45
Jan. 1	5.95-6.10	6.35-6.75	6.65-6.80	6.95-7.35	6.50-7.50	6.50-7.50	7.50-8.45
April 1	6.20-6.30	6.40-6.75	6.80-6.95	6.95-7.35	6.50-7.50	6.75-7.50	8.00-8.45
BEANS LIMA (Fr. Gr.)							
East, fcy. Tiny gr. 24/303							
Oct. 1	8.50-8.60	9.00-9.25	8.50-9.40	9.50-9.95	10.00-11.00	10.00-11.35	10.00-11.50
Jan. 1	8.95-9.00	9.00-9.40	8.50-9.40	9.50-10.45	10.00-11.20	10.00-11.35	10.00-11.50
Apr. 1	8.65-9.00	9.00-9.40	8.50	9.75-10.95	10.00-11.20	10.25-11.35	10.00-10.50
July 1	8.65-9.10	9.00	8.50	9.75-10.50	10.00-11.20	10.00-11.35	n.a.
Midwest fcy., med. gr 24/303							
Oct. 1	7.75	8.50	8.00-8.50	9.00-9.25	8.75-9.25	9.25	9.00-9.25
Jan. 1	8.25	8.50	8.00-8.50	8.50-9.25	9.25	9.25	9.00-9.25
Apr. 1	8.25	8.50	8.00-8.50	9.25	9.25	9.25	9.50-9.75
July 1	8.25	8.00-8.30	8.50	9.25	9.00-9.25	9.00-9.25	n.a.
BEETS							
East, fcy, diced, 24/303							
Oct. 1	5.20	5.40	5.75	5.95	6.30	6.25	6.60
Jan. 1	5.65	5.60	5.75	5.95	6.05	6.25	6.60
Apr. 1	5.65	5.60	5.75	5.95	6.05	6.25	6.60
July 1	5.00	5.60	5.95	6.30	6.25	6.60	n.a.
Midwest fcy. sl. 24/303							
Oct. 1	5.50-5.80	6.05	6.25	6.10-6.35	6.35	6.15-6.40	6.35-6.85
Jan. 1	5.85	6.25	6.25	6.35	6.15-6.35	6.15-6.40	6.35-6.85
Apr. 1	5.85-6.05	6.25	6.10	5.85-6.35	6.15-6.35	6.15-6.35	6.40-6.75
July 1	5.85-6.05	6.25	6.10-6.35	5.95-6.35	6.15-6.35	6.25-6.85	n.a.
CARROTS							
Midwest fcy. diced, 24/303							
Oct. 1	4.00	5.05	5.25	6.50-6.75	5.75-6.75	6.50	6.50
Jan. 1	4.95-5.20	5.00	5.10-5.25	6.00-7.10	6.50-6.75	6.50-6.75	6.50
Apr. 1	4.95	5.00-5.05	5.10	6.50-6.75	6.50-6.75	6.50	6.50
July 1	4.95-5.00	5.00	5.10	6.50-6.75	6.50-6.75	6.50-7.50	n.a.
Midwest fcy. sl. 24/303							
Oct. 1	5.25-5.85	5.85-6.05	6.10	7.00-7.25	7.25	6.75	6.75-7.00
Jan. 1	5.85-5.95	6.00-6.10	6.25-6.80	7.00-7.60	6.90-7.25	6.75-7.25	6.75-7.00
Apr. 1	5.85	6.05-6.70	6.25	7.00-7.25	6.75-7.25	6.75-7.00	6.75-7.25
July 1	5.85-5.95	6.10	6.10	7.15-7.25	6.75-7.25	6.75-7.00	n.a.
CORN-SWEET (C.S. & W.K.)							
Midwest fcy., gold 24/303							
Sept. 1	5.15-5.25	5.75-6.00	6.10-6.35	6.75-7.00	8.75-9.00	8.00-8.50	8.25
Jan. 1	4.95-5.15	6.00	6.00-6.25	7.25-7.75	7.75-8.50	7.50-8.00	8.25
Apr. 1	4.95-5.15	6.00-6.75	6.00	8.50-8.65	8.00	7.25-7.75	8.25
July 1	5.50-5.70	6.00-6.25	6.00-6.25	8.65-8.75	8.00-8.50	8.00	n.a.
6/10							
Sept. 1	6.50-8.00	8.00-8.25	9.10-9.25	8.75	11.00-12.00	12.50-13.50	11.50-13.75
Jan. 1	6.25-7.75	8.00-8.50	8.50-9.25	9.50-9.75	11.50-12.00	12.50-14.00	12.00-13.95
Apr. 1	6.65-7.50	8.25-8.50	8.50	10.00-11.25	13.00-13.50	11.50-13.30	12.00-14.25
July 1	7.50-7.75	8.75	8.75-9.00	11.25-12.00	13.00-14.50	11.00-13.50	n.a.
East, fcy. gold 24/303							
Sept. 1	5.20-5.95	5.90-6.75	6.35	7.00-7.35	8.75	8.75-9.30	8.95-9.30
Jan. 1	5.10-5.50	6.15-6.25	6.00-6.25	7.65-8.75	8.75-9.30	8.40-9.30	8.25-9.30
Apr. 1	6.25	6.25	6.25	8.90-9.75	8.75-9.30	8.40-9.30	8.25-9.30
July 1	6.00-6.25	6.25	6.25	9.30-9.75	8.75-9.30	8.95-9.30	n.a.

CANNED FOOD PRICES—Continued

	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
PEAS, ALASKA							
Midwest fcy., 2 sv., 24/303							
July 1	6.25-6.50	6.50-6.75	7.90	8.50	9.00	8.00-8.50	8.25-8.75
Oct. 1	6.10	7.50	7.90	8.50	9.00	7.90-8.50	8.75-9.25
Jan. 1	6.10-6.25	7.50	7.90	8.50	8.00-8.75	7.90-8.50	9.25
Apr. 1	6.25	7.50	7.90	8.75-9.00	8.00-8.50	7.50-7.75	9.50
Midwest Ex. Std., 3 sv. 24/303							
July 1	5.00	5.50	6.90	7.00	7.50	6.75	7.50-7.75
Oct. 1	5.00	6.15	7.00	7.00	7.50	6.25-6.50	7.75-8.00
Jan. 1	5.00	6.25	6.90-7.00	6.10-7.00	6.75-7.75	6.50	8.00-8.25
Apr. 1	5.00	6.50	6.50	7.15-7.50	6.75	6.50	8.75
6/10							
July 1	7.75-8.00	8.25	9.85-10.25	10.00	10.25-10.50	10.20-10.25	10.75-11.00
Oct. 1	7.75	9.65	9.85-10.25	10.00	9.95-10.25	10.25	11.50-12.00
Jan. 1	7.75	9.65	9.85-10.25	9.25-10.00	9.75-10.25	10.25-10.50	13.00
Apr. 1	7.75-8.00	9.65	9.85-10.00	10.25	10.20-10.25	10.75	13.25
Midwest Std., 4 sv., 24/303							
July 1	4.10	4.75-5.00	6.25	5.75	7.00	.....	6.25
Oct. 1	.....	5.50	6.25	6.40	.....	5.75	.....
Jan. 1	4.10	5.75	6.25	5.75	.....	5.75	.....
Apr. 1	.....	6.00	5.75	6.60	.....	5.75	.....

MARYLAND

ALBERT W. SISK & SON, INC.
Food Brokers

NATIONWIDE FIELD BROKERAGE SALES SPECIALIZING IN CANNED FOODS

BRANDS
PINE CONE • PRIDE OF THE FARM • RED GLO
LITTLE DARLING - Control Label
PRICE KUTTER - Control Label - Generic
CHEFS CONFIDENCE - Food Service
Also Buyers Label and Canner to Canner Sales

PRESTON, MD. 21655
PHONE 301-673-7111, Twx 710-866-6060

Our 95th Year

CHARLOTTE, N.C. 28205
PHONE 704-535-8210

MASSACHUSETTS

SNYDER SALES SERVICE, INC.

750 PLEASANT ST.
BELMONT, MASS. 02178
617—484-8212

Offering the most complete canned foods coverage in NEW ENGLAND

Contact: DAVID SNYDER
ROBERT SNYDER

Telex #92-1408

ORDER
ADDITIONAL
ALMANACS

For
Key
Personnel

CANNED FOOD PRICES—Continued

	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
PEAS, SWEET							
Midwest Ung., fcy, 24/303							
July 1	5.75	6.00-6.10	7.25	7.50	8.00-8.25	6.75	7.75
Oct. 1	5.75	6.75	7.25	7.75	8.00	6.50	8.25
Jan. 1	5.75	6.75-6.90	7.25	.....	6.75-7.50	6.75	8.50
Apr. 1	5.75	6.75-7.00	6.75-7.00	7.75	6.75-7.25	7.00-7.25	8.75
Midwest Ung. Ex. Std., 24/303							
July 1	4.60-4.75	5.25-5.60	6.75	6.75	7.35-7.50	6.40	7.25
Oct.	4.50	5.85-5.95	6.75	6.75-7.00	7.50	6.25	7.40
Jan. 1	5.00	6.00-6.10	6.75	.....	6.40-6.75	5.95	8.00
Apr. 1	5.00	6.30	6.25-6.50	7.05	6.40-6.75	6.50	.....
6/10							
July 1	7.25	7.75-8.25	9.50-9.75	9.75	9.50-9.75	9.75	10.75
Oct. 1	6.75	9.00-9.25	9.50	9.75	8.95-9.75	10.25	11.50
Jan. 1	7.75	9.25	9.50-9.75	.....	8.75-9.25	10.25	12.75
Apr. 1	7.75	.....	9.50	9.00	9.25-9.50	10.75	.....
East Ung., ex. std., 24/303							
July 1	6.00	5.60-6.20	6.75-7.00	6.75	7.50	7.00	8.00
Oct. 1	4.50-5.25	6.35-6.85	6.75-7.25	7.00	8.00	6.75	8.00
Jan. 1	4.50-5.25	6.50	6.75-7.25	7.00	7.50	6.50	8.50
Apr. 1	4.85-5.00	.....	6.60	7.00	7.50	7.00	8.75
East Ung. Std., 24/303							
July 1	5.50-5.70	5.30-5.90	6.50	6.25	7.00	6.50	7.50
Oct. 1	4.35-4.50	6.00-6.25	6.25	6.50	7.25	6.25	7.50
Jan. 1	4.35-5.00	6.00-6.25	6.25	6.50	7.25	6.25	7.75
Apr. 1	4.50-4.70	.....	6.25	6.75	6.25	6.50	8.25
SAUERKRAUT							
Midwest fcy., 24/2½							
Oct. 1	7.10	7.90	8.35-9.50	8.95-9.00	10.25-10.40	9.75-10.40	9.00-10.00
Jan. 1	7.10	9.25-9.40	8.75-9.50	9.25-10.00	10.25	9.75-10.25	10.00-11.00
Apr. 1	7.25	8.00-9.50	8.60-8.75	9.50-10.15	10.25-10.40	10.00-10.25	11.50-11.75
July 1	7.50	8.35-9.50	8.95	9.75-10.25	10.25-10.40	9.95-10.00	n.a.
6/10							
Oct. 1	6.25	7.00	8.00-9.20	8.25-9.00	9.00	8.25-9.00	7.50-8.25
Jan. 1	6.00	8.50-8.75	8.50-9.20	8.25-9.00	9.00	8.25-8.50	8.50-9.00
Apr. 1	6.25	8.75-9.25	8.75	9.00-9.50	9.00	8.25-8.50	9.50-10.50
July 1	6.40	8.00-9.50	8.75	8.50-9.00	9.00	7.95-8.25	n.a.
N.Y. fcy., 24/2½							
Oct. 1	7.30	7.25	9.10	8.70	9.50	9.50	9.50
Jan. 1	6.85	8.00-8.35	8.35	8.75	9.50	9.50	13.00
Apr. 1	7.05	8.50	8.35	9.00	9.50	9.50	14.50
July 1	7.05	8.50	8.50	9.35	9.50	9.50	n.a.
SPINACH							
Calif., fcy., 24/303							
March 1	5.25	6.20	7.10	7.10	8.10	7.68-8.40	7.68-8.40
June 1	5.25	6.50	7.10	7.60	8.40	7.68-8.40	7.75-8.40
Sept 1	5.60	6.75	7.10	7.60	8.40	7.68-8.40	7.75-8.40
Jan. 1	5.85	6.75	6.38	8.10	7.68	7.68-8.40	7.68-8.40
24/2½							
March 1	7.50-8.15	8.45	9.95	9.95	11.50	11.18-11.90	11.18-12.50
June 1	7.50	8.95	9.95	10.75	11.90	10.94-11.90	12.50
Sept. 1	7.50	9.45	9.95	10.75	11.90	11.18-11.90	12.50
Jan. 1	8.25	9.45	8.99	11.50	11.90	11.18-11.90	12.50-13.50
6/10							
March 1	6.00-7.10	6.75	7.85	8.35	9.00	9.35	9.35-10.00
June 1	6.00	7.00	7.85	9.00	9.85	8.50	9.85-10.50
Sept. 1	5.50	7.50	7.85	9.00	9.50	9.35	9.85-10.50
Jan. 1	6.50	7.50	8.35	9.50	9.35	9.35	9.85-10.50
Ozarks, fcy., 24/303							
March 1	5.10-5.25	6.20	6.95	7.10	7.10-7.45	7.45	7.80-8.10
June 1	5.25	6.20	6.95	7.10	7.45	7.80-8.10	7.80-8.10
Sept. 1	5.25	6.20	6.95	7.10-7.45	7.45	7.80-8.10	8.00-8.25
Jan. 1	5.50	.....	7.10	7.10-7.45	7.45	7.80-8.10	8.30-8.60

CANNED FOOD PRICES—Continued

	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83
SWEET POTATOES							
East syr. wh., 24/3 sq.							
Oct. 1	11.50	14.50	14.00	14.00	15.50	15.00	14.50
Jan. 1	12.50	14.50	14.00	14.00	15.50	15.00	14.50
Apr. 1	.....	14.50	14.00	14.00	15.50	14.50	14.50
July 1	.....	14.50	14.00	14.00	15.50	14.50	n.a.
24/2½							
Oct. 1	12.75	16.25	16.00	16.00	17.50	16.50	16.00
Jan. 1	14.50	16.25	16.00	16.00	17.50	16.50	16.00
Apr. 1	.....	16.25	16.00	16.00	17.50	16.00	16.00
July 1	.....	16.25	16.00	16.00	17.50	16.00	n.a.
TOMATOES							
Midwest ex. std. 24/303							
Sept. 1	6.75	6.65	6.65	7.85	9.50	8.95	8.75
Jan. 1	6.75	6.35-6.65	6.20-6.30	8.25	9.60	8.75	8.75
Apr. 1	6.75	6.20-6.40	6.50	8.75	9.75	8.75	8.75
July	6.75	6.20-6.50	6.75	9.00	9.75	8.75	n.a.
24/2½							
Sept. 1	10.50	10.40-10.60	10.45	11.00-11.50	14.75	14.50	14.25
Jan. 1	10.60-10.70	10.60	9.35	13.00	15.00	14.25	14.50
Apr. 1	10.60-11.00	10.00-10.35	10.50	14.00	15.50	14.25	14.50
July 1	10.60-11.00	9.85-10.00	10.75	.....	.....	14.25	n.a.
6/10							
Sept. 1	10.00	10.25	9.80	10.90	12.50	12.75	13.00
Jan. 1	10.25	10.25	9.50	11.25	13.00	13.00	12.75
Apr. 1	10.25	.....	9.75	11.75	13.50	13.00	12.75
July 1	10.25	10.25	10.00	12.00	13.50	13.00	n.a.
Calif. fcy. 24/303							
Sept 1	7.35	7.60	7.40	8.35	10.70	10.70	.....
Jan. 1	7.35	7.60	.....	9.35	10.70	10.70	.....
Apr. 1	6.75-7.65	7.60	.....	.....	10.70	10.00	.....
July 1	6.75-7.35	7.60	8.35	10.30	10.70	10.00	n.a.
Calif. Choice 6/10							
Sept. 1	9.75	10.25	8.25	10.50-11.00	12.40-12.80	13.80-14.69	13.25
Jan. 1	9.75	9.50-10.75	7.25-7.75	11.00	13.30	13.80	13.25
Apr. 1	9.00-10.25	10.75	8.00-8.75	11.45	13.80	13.25	13.75
July 1	9.00-9.75	9.00	10.25-11.00	11.95	13.80	13.25	n.a.
Calif. Std. 24/303							
Sept. 1	6.00	6.25	5.75-5.80	6.75-7.00	9.20-9.60	8.88-9.60	7.75
Jan. 1	5.85	5.85-6.25	5.25	7.90-8.15	9.60	7.93-8.65	8.00
Apr. 1	5.25-6.25	6.00-6.25	6.00-6.25	8.10	9.60	7.50	7.75
July 1	6.00	6.00	7.00	8.80-9.20	9.60	7.50	n.a.
6/10							
Sept. 1	8.75	9.00-9.25	7.00	9.25-9.85	11.40-11.80	12.05-12.80	12.25
Jan. 1	8.50	8.50-9.25	6.25	9.85-10.00	12.30	12.80	12.25
Apr. 1	8.00-9.00	9.25	7.00-7.50	10.45	12.80	12.25	12.75
July 1	8.00-8.75	7.50	9.00-9.25	10.95	12.80	12.25	n.a.
TOMATO CATSUP							
Calif. fcy. 24/14 oz. gl.							
Sept. 1	7.21	7.60	7.60	9.35	10.35	11.50	11.50
Jan. 1	6.50	7.60	7.10	9.35	10.95	11.50	11.50
Apr. 1	6.50	7.60	8.10	9.85	10.95	11.50	11.50
July 1	6.75	7.60	8.60	9.85	10.95	11.50	n.a.
6/10							
Sept. 1	11.50	11.00	8.75-9.00	11.75-12.15	14.80	16.30-17.30	15.00
Jan. 1	9.50	9.50-11.00	8.25	12.00-12.15	16.30	17.05	15.00
Apr. 1	9.25-11.00	11.00	8.75-9.50	13.90	17.30	15.00	13.50
July 1	9.50-10.25	9.25	11.00	14.40	17.30	15.00	n.a.
Midwest, fcy. 24/14 oz.							
Sept. 1	7.50	7.50	7.50	8.25	10.00	10.00	9.75
Jan. 1	7.50	7.65	7.05-7.15	8.50-8.75	10.00	9.75	9.75
Apr. 1	7.50	7.65	7.00-7.75	9.00	10.00	9.75	9.75
July 1	7.50	7.50	7.75	.....	10.00	9.75	n.a.
6/10							
Sept. 1	11.75	11.50	11.50	12.00-12.25	15.25	16.25	15.00
Jan. 1	11.50	11.50	10.50-10.75	12.50-13.00	16.50	15.25	14.75
Apr. 1	11.50	11.50	10.50-10.75	13.25	16.50	15.25	14.75
July 1	11.50	11.50	10.75	.....	16.50	15.25	n.a.

CANNED FOOD PRICES—Continued

	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
TOMATO PASTE							
Calif. Fcy. 96/6z							
Sept. 1	18.00	19.50	17.50	20.00-21.30	24.30	24.54-25.50	25.50-26.50
Jan. 1	17.00	17.50-19.50	17.50	20.50-21.30	24.90-25.50	23.54-24.50	26.50
Apr. 1	16.50-18.00	18.00-19.50	17.50-18.00	22.80	25.50	24.50	25.06-26.50
July 1	17.50-18.00	18.50	18.50-20.00	24.30	25.50	24.50	n.a.
6/10-26%							
Sept. 1	14.50	15.00	14.75-15.00	16.50-17.05	19.95	22.00-24.00	24.10
Jan. 1	13.25	15.00	13.50-14.00	17.05	23.10-23.30	24.05-24.10	24.10
Apr. 1	13.25-15.00	15.00-15.50	13.25	17.75-18.50	24.05-24.10	24.10	23.10
July 1	14.00-14.30	15.50	15.00-16.50	19.50	24.05-24.10	24.10	n.a.
TOMATO PUREE							
Calif. Fcy. 1.06 24/303							
Sept. 1	6.75	7.00	6.90	8.00	9.60	10.40	10.05
Jan. 1	6.50	7.00	6.75	8.10	9.95	9.80	10.30
Apr. 1	6.50-7.00	7.00	7.00	8.85-9.10	9.10	9.80	10.30
July 1	6.75	7.00	7.00-7.60	9.35	10.40	9.80	n.a.
6/10							
Sept. 1	8.50	9.00	7.75	10.50	12.65	13.50-14.90	13.75
Jan. 1	7.50	8.25-9.00	7.00-7.25	10.25-10.50	14.15-14.40	14.65-14.90	13.75
Apr. 1	7.00-8.50	8.25	8.00	10.50-11.00	14.90	13.75	13.25-13.75
July 1	7.50-8.00	8.25	9.00-9.75	12.25	14.90	13.75	n.a.
TOMATO JUICE							
East fcy. 12/46 oz.							
Sept. 1	5.25	6.50	6.25	6.25-6.75	8.50	8.25	.....
Jan. 1	5.25	6.50	6.25-6.75	7.75	8.50	8.00	.....
Apr. 1	5.75	6.25	6.25-6.75	9.75	8.75	9.50	.....
July 1	6.00	6.25	6.25-6.75	8.50	8.75	.....	n.a.
Calif., fcy. 12/46 oz.							
Sept. 1	5.35	5.90	5.90	6.80	8.35	7.88-8.00	8.00-8.25
Jan. 1	5.00	5.65-5.90	5.65-6.00	6.70-6.80	8.60	7.52-8.00	8.25
Apr. 1	5.00-5.65	5.90	5.65-5.90	7.45	8.60	7.75	7.77-8.25
July 1	5.50	5.90	6.40	7.70	8.60	7.75	n.a.

FRUITS

	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
APPLE SAUCE							
East, fcy. 24/303							
Oct. 1	6.85-6.90	6.00-6.55	6.80-7.00	7.00	[1]8.50-9.00	[1]8.50-9.50	[1]8.50
Jan. 1	6.50-6.90	6.00-6.55	6.80-6.95	7.00	[1]8.50-9.00	[1]8.50-9.50	[1]8.50
Apr. 1	6.10-6.55	6.25-7.10	6.80	7.00	[1]8.50-9.25	[1]8.50-9.50	[1]8.50
July 1	6.20-6.55	6.25-6.55	6.80	7.40	[1]8.50-9.25	[1]8.50	n.a.
6/10							
Oct. 1	9.50	9.00	.....	.....	[1]10.75-11.25	[1]10.75-11.80	[1]10.75
Jan. 1	9.50	9.50	.....	.....	[1]10.75-11.25	[1]10.75-11.25	[1]10.75
Apr. 1	9.50	9.50	.....	.....	[1]10.75-11.25	[1]10.75-11.25	[1]10.75
July 1	9.50	9.50	.....	.....	[1]10.75-11.25	[1]10.75	n.a.
APRICOTS							
Calif. choice, halves 24/2½							
July 1	13.50	15.25	16.40	17.15	18.95	20.55-21.05	21.55
Oct. 1	14.25	15.95	16.40	17.43-18.15	20.00	21.05	23.00
Jan. 1	14.25	15.95	16.40	17.43-18.15	20.55	21.05	23.25
Apr. 1	14.25	15.95	17.15	18.15	20.55	21.05	23.25-23.95
6/10							
July 1	14.00	15.50	16.90	18.25	18.25	20.65	21.25
Oct. 1	14.50	16.75	17.75	17.75-18.25	19.00	20.50	22.00
Jan 1	14.50	16.75	17.75	17.75-18.25	20.15	20.50-20.65	22.50
Apr. 1	14.50	16.75	17.75	18.25	20.00-20.15	20.50	22.50-23.00
FRUIT COCKTAIL							
Calif. fcy. 24/2½							
Sept. 1	12.18	14.05-14.35	15.50	17.15	18.10	18.80	[2]18.85
Jan. 1	12.18	14.80-15.10	15.50-16.25	16.75-17.50	18.80	.....	[2]19.25-19.50
Apr. 1	13.40	14.80-15.10	17.00	.....	18.80	.....	[2]19.50-20.25
July 1	13.60	14.78-15.50	17.00	18.10	18.80	18.55	n.a.
6/10							
Sept. 1	11.00	14.25-14.50	16.50-16.75	17.40	.....	17.90	[2]17.00
Jan. 1	12.00	14.90	17.25	16.25-17.40	17.90	.....	[2]17.50-18.00
Apr. 1	13.50	.....	17.40	.....	17.90	.....	[2]18.00-18.50
July 1	14.00	.....	17.90	.....	17.90	16.25	n.a.

[1] West. [2] Choice.

CANNED FOOD PRICES—Continued

PEACHES	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
Calif., ch. cling 24/2½							
Sept. 1	9.68	11.85	13.05	13.50-13.80	14.50-14.90	14.40-15.60	16.20
Jan. 1	9.43	12.60	12.33	13.54-14.50	15.60	14.60-15.60	16.85
Apr. 1	9.92	12.60	13.80	13.50-14.50	14.50-15.60	15.10	16.85-17.60
July 1	11.35	12.33-13.09	13.80	14.50	14.50-15.60	15.60	n.a.
6/10							
Sept. 1	9.25	11.00	12.75-13.50	14.25-14.50	14.25-14.50	12.50-14.50	15.50
Jan 1	8.65	11.75-12.00	14.00	13.50-14.25	14.25-14.50	13.00-14.50	16.50
Apr. 1	9.75	12.25	14.00	14.25	14.15-14.50	13.50	16.50-17.00
July 1	10.00	12.35-12.75	14.00-14.50	14.25	12.50-14.50	14.25	n.a.
Calif., Freestone fcy. 24/2½							
Sept. 1	13.10	13.10-13.80	15.00	15.75	16.00-16.25	14.80-16.25	[1]15.95
Jan. 1	12.38	14.50	15.00	15.04-15.75	15.50	14.80-16.25	[1]16.20
Apr. 1	13.10	14.50	14.28-15.10	15.10-15.75	15.50-16.25	15.35	[1]16.20-16.70
July 1	13.10	14.05	15.75	16.00-16.25	15.64-16.25	15.85	n.a.
6/10							
Sept. 1	12.75	12.75-13.45	14.35-14.80	15.50	15.50	14.30-15.55	[1]15.30-15.80
Jan. 1	12.75	nom.	15.55	15.50	14.80-15.55	14.40-15.55	[1]16.30
Apr. 1	12.75	nom.	15.50-15.55	15.50-15.80	14.80-15.55	14.80	[1]16.30-16.80
July 1	12.75	13.05	15.50	15.50	14.80-15.55	.....	n.a.
PEARS							
Calif., Bart fcy. 24/2½							
Sept. 1	11.40	15.35	16.30	[1]15.43-15.80	[1]15.50-17.35	[1]15.00-16.50	[1]15.75-16.85
Jan. 1	12.40	15.85	.....	[1]15.99-16.95	[1]15.00-17.35	[1]15.00-15.25	[1]18.35-18.60
Apr. 1	12.90	15.85	.....	[1]17.05	[1]15.00-15.25	[1]15.25-15.75	[1]18.60-19.35
July 1	14.40	.....	.....	[1]15.50-17.05	[1]15.25-16.50	[1]15.75-16.25	n.a.
Choice 6/10							
Sept. 1	9.50	14.20	16.50	16.30	14.50-16.30	13.00-13.75	13.60-15.25
Jan. 1	10.50	14.20	16.30	14.50-16.30	13.50-16.30	13.00-14.00	15.25-15.70
Apr. 1	11.25	15.45	16.30	17.10	12.50-14.00	13.50-14.50	15.75-16.25
July 1	12.75	15.30-15.70	16.30	14.50-16.30	14.00-14.50	13.50-14.50	n.a.
PLUMS (PURPLE)							
N.W. fcy. 24/2½							
Sept. 1	9.40	12.45-12.65	11.25	11.75	12.00-13.50	10.50-12.00	13.50
Jan. 1	9.40	12.45-12.65	12.00	12.35-13.50	12.00-13.50	10.50-12.00	14.75-15.00
Apr. 1	9.40	12.65	12.00	12.00-13.50	12.00-13.50	9.50-11.75	14.75-15.00
July 1	9.40	12.65	11.75	13.50-14.00	10.50-12.00	9.50-13.50	n.a.
6/10							
Sept. 1	8.70	10.35-10.55	9.60-10.00	10.35	11.50-11.85	9.15-10.90	11.85
Jan. 1	8.75	10.35-10.55	9.85	10.75-11.85	10.05-11.85	9.25-11.00	12.25-12.50
Apr. 1	8.70	10.55	9.85	11.00-11.85	10.05-11.85	8.75-10.50	12.25-12.75
July 1	8.50	10.55	10.35-10.50	11.85	9.15-10.90	8.75-11.85	n.a.

[1]Choice.

FISH

SALMON							
Alaska Red, 48/15½ oz.							
Sept. 1	86.00	90.00	105.00	102.00	102.00	120.00	105.00
Jan. 1	95.00	90.00	106.00	110.00	104.00	126.00	98.00
Apr.	90.00	92.00	106.00	106.00	104.00	128.00	100.00
July 1	90.00	100.00	102.00	112.00	104.00	100.00	n.a.
Pink, 48/15½ oz.							
Sept. 1	61.00	58.00	72.00	76.00	74.00	70.00	68.00
Jan. 1	62.00	58.00	76.00	80.00	78.00	70.00	67.00
Apr. 1	58.00	62.00	76.00	78.00	68.00	68.00	68.00
July 1	61.00	72.00	75.00	88.00	62.00	66.00	n.a.
Chum, 48/15½ oz.							
Sept. 1	57.00	56.00	68.00	72.00	66.00	60.00	64.00
Jan. 1	57.00	55.00	70.00	74.00	68.00	60.00	62.00
Apr. 1	55.00	58.00	70.00	74.00	56.00	60.00	62.00
July 1	55.00	62.00	n.a.	76.00	50.00	60.00	n.a.
TUNA							
Fcy. wh. meat 48/½'s							
Sept. 1	37.00-37.50	40.00	42.50	50.50	55.00	50.00	45.25
Jan. 1	37.00-37.50	40.50	44.50	52.50-59.00	56.00	51.00	44.00
Apr. 1	37.00-37.50	38.00	47.50	52.50	51.00	46.00	44.00
July 1	37.00-37.50	40.50	47.00-55.00	55.00	51.00	45.25	n.a.
Fcy. Lgt. meat 48/½'s							
Sept. 1	30.50	32.50	36.50	43.50	45.00	40.00	38.00
Jan. 1	30.50	31.50	39.50	44.50-54.00	44.00	38.00	36.00
Apr. 1	30.50	31.00	42.50	44.00	42.00	36.00	36.00
July 1	31.50	35.50	38.00-45.00	45.00	42.00	35.00	n.a.

GOVERNMENT PURCHASES—SPECIFIED CANNED FOODS

MILITARY

PACK YEAR	1975	1976	1977	1978	1979	1980	1981	1982	1983	A1984
CANNED VEGETABLES—Thousands of Cases, Equiv. 24/303										
Asparagus	49.1	8.3	.....	65.5	19.1	26.8	.....	037.8	23.3	36.4
Beans, Gr. & Wax	312.5	242.3	338.7	370.6	367.0	450.7	340.4	357.7	421.7	448.1
Beans, Lima	101.1	44.6	82.5	85.7	74.8	91.5	91.9	72.7	81.7	89.1
Bean Sprouts	11.5	11.3	55.9	27.9	51.9	80.6	75.4	51.3	24.2	60.5
Beets	53.8	75.1	98.2	152.4	191.0	122.4	86.5	108.9	152.1	132.7
Carrots	18.1	68.8	129.9	118.5	125.0	107.5	95.2	118.2	132.9	124.2
Catsup	601.8	252.8	384.9	424.5	442.4	499.0	471.9	342.3	525.9	474.5
Chili Sauce	34.9	46.4	21.2	36.3	28.2	26.8	15.6	44.1	26.3	26.3
Corn	305.4	167.8	441.7	421.6	465.1	402.2	488.2	389.9	278.1	425.9
Mushrooms	106.9	84.1	70.4	83.7	83.8	90.5	113.8	98.7	57.6	104.8
Peas	170.6	136.2	164.8	112.0	211.3	201.9	191.2	159.4	226.3	232.6
Pimientos	20.9	34.1	13.1	31.7	38.8	27.5	17.6	31.3	17.5	20.0
Potatoes, Sweet	125.9	90.7	99.8	136.9	107.1	155.4	173.5	124.8	120.4	157.5
Pumpkin & Squash	23.6	19.6	.....	16.0	17.0	7.4	10.0	10.4	12.7	20.8
Sauerkraut	20.7	53.0	88.2	30.9	52.0	64.0	82.5	40.9	59.3	61.7
Spinach	87.7	37.0	68.6	51.7	101.6	57.2	36.9	32.2	62.7	62.2
Tomatoes	852.5	349.1	793.7	518.2	518.4	532.6	583.8	425.3	676.5	511.1
Tomato Paste	164.8	15.8	66.1	115.1	89.2	129.6	129.9	118.8	149.4	133.8
Total these items	3,061.9	1,737.0	3,109.8	2,799.4	2,983.9	3,073.4	3,004.3	2,564.7	3,048.6	3,122.2
CANNED FRUITS—Thousands of Cases, Equiv. 24/2½										
Apples	10.6	37.7	44.5	65.3	37.6	29.9	29.3	30.6	22.1	27.5
Applesauce	31.1	55.6	57.9	80.3	86.3	89.7	54.9	84.9	37.1	55.1
Apricots	65.9	32.5	41.4	43.8	57.8	62.6	20.8	38.6	5.7	36.5
Blackberries	12.5	1.9	2.1	.....	.....	7.2	.....	2.3	0	0.7
Blueberries	.....	.8	.....	.....	.....	.....	.....	0.0	0	.....
Cherries, RSP	50.2	.....	.....	.....	30.6	7.9	.....	0.0	0	12.3
Cherries, Sweet	23.8	2.4	9.4	15.0	11.6	12.7	6.2	5.9	6.8	5.1
Cranberry sauce	26.4	59.4	61.3	63.0	39.2	56.2	33.0	37.8	48.4	50.3
Figs	1.6	5.3	4.1	2.2	1.2	3.1	2.3	1.4	0	0
Fruit cocktail	199.7	144.6	126.8	181.0	124.0	174.1	135.0	110.8	152.1	161.8
Grapefruit	8.5	37.8	23.1	54.4	19.7	30.9	25.9	32.3	13.9	10.5
Olives	.....	.....	10.4	68.3	37.4	66.8	39.7	0.0	0	.....
Peaches	283.4	77.8	179.4	96.2	251.5	271.1	148.6	142.5	138.2	163.3
Pears	65.3	108.3	101.5	121.1	119.6	147.0	105.3	58.4	120.2	120.2
Pineapple	145.0	272.3	.....	115.1	134.1	208.9	252.7	91.1	137.1	94.8
Plums (all)	7.0	14.2	21.3	18.4	13.9	22.7	7.4	6.8	11.7	10.2
Prunes	.....	.....	3.8	1.0	1.0	1.0	1.2	0.0	0	.....
Total these items	930.9	850.6	698.1	925.0	965.6	1,191.8	862.4	643.4	693.3	748.3
CANNED JUICES—Thousands of Cases, Equiv. 24/2										
Apple Juice	108.5	227.1	215.7	138.7	231.3	287.7	272.9	207.9	261.8	312.9
Grape Juice	62.3	66.3	72.2	88.5	50.0	104.8	86.0	89.9	108.7	95.3
Grapefruit Juice	123.9	90.4	80.6	96.3	135.4	137.8	137.8	195.2	129.3	200.6
Grapefrt & Orange	28.1	25.7	32.7	29.9	32.7	10.0	31.7	24.8	27.7	60.4
Orange Juice	188.2	100.4	92.5	163.8	156.9	210.1	173.8	201.1	161.6	263.6
Pineapple Juice	130.4	26.7	148.2	169.4	258.7	138.6	228.8	215.9	297.1	241.4
Tomato Juice†	219.8	24.0	64.7	167.5	151.5	154.3	159.1	107.4	76.7	183.4
Tomato Juice conc.	190.8	.....	93.6	92.2	77.7	55.7	46.0	59.2	6.6	.....
Total these items	1,052.1	560.6	800.2	946.3	1,094.3	1,099.0	1,136.1	1,101.4	1,074.5	1,357.6

† Includes Vegetable Juice Cocktail. A - Anticipated requirements.

CHILD NUTRITION PROGRAM*

(Source: Commodity Procurement Br., Fruit & Veg. Div., Agricultural Marketing Service, U.S.D.A.)

PACK YEAR*	1974	1975	1976	1977	1978	1979	1980	1981	1982	**1983
CANNED VEGETABLES—Thousands of Cases, Equiv. 24/303										
Beans Gr.	584.5	901.7	1,144.0	969.4	.....	1,208.2	866.1	1,040.7	1,015.7	844.0
Beans, Vegt.	.....	.....	.....	798.3	1,489.8	1,172.6	994.4	834.0	773.4	762.7
Beans, Other[1]	.....	.....	.....	.....	.....	670.0	762.7	413.4	420.6	402.7
Corn	.....	544.8	1,580.6	1,695.7	948.0	2,031.5	905.3	.....	.....	630.9
Peas	.....	302.9	691.4	869.6	766.3	816.2	883.9	502.5	680.7	481.1
Potatoes, sweet	†502.4	†738.4	†723.5	†330.2	†780.8	†870.3	†524.2	†449.1	†862.5	345.7
Tomatoes	.....	345.7	534.6	1,860.4	1,486.2	2,858.3	417.0	.....	.....	666.5
Tomato Catsup	.....	.....	.....	1,229	509.7	1,232.6	1,108.4	.....	.....	.....
Tomato Paste	.....	673.6	613.0	1,026.4	1,119.1	2,052.9	384.9	.....	.....	.....
Total	1,086.9	3,507.1	5,287.1	8,779.6	7,099.9	12,912.6	6,846.9	3,239.7	3,752.9	4,133.6
CANNED FRUITS—Thousands of Cases, Equiv 24/2½										
Applesauce	651.7	1,386.4	.....	815.7	1,398.6	1,224.5	1,230.6	916.9	876.4	763.0
Apricots	.....	93.1	226.7	115.4	.....	419.0	312.8	.....	.....	.....
Cranberry Sauce	275.3	374.4	388.6	315.7	214.5	.....	.....	.....	.....	.....
Fruit Cocktail	.....	.....	396.7	.....	.....	.....	.....	.....	.....	.....
Mixed Fruit	.....	.....	.....	439.2	.....	.....	.....	453.4	463.5	.....
Peaches	767.8	840.0	1,576.8	2,131.3	657.8	787.3	1,129.4	1,856.0	1,226.5	759.0
Pears	.....	759.0	1,246.8	1,151.7	.....	900.7	1,224.5	916.9	846.0	1,022.1
Pineapple	.....	.....	.....	479.7	647.6	653.8	459.4	481.7	477.7	.....
Plums	.....	.....	305.6	.....	204.4	46.6	.....	137.6	.....	93.1
Total	1,694.8	3,452.9	4,141.2	5,448.7	3,122.9	4,031.9	4,356.7	4,762.5	3,890.1	2,637.2
CANNED JUICES—Thousands of Cases, Equiv. 24/2										
Apple	.....	.....	.....	118.4	912.2	871.9	443.5	.....	.....	.....
Orange[2]	.....	75.6	.....	231.8	.....	.....	.....	544.3	498.7	.....
Tomato	.....	.....	.....	168.8	279.7	481.3	.....	.....	.....	.....
Total	.....	75.6	.....	519.0	1,191.9	1,353.2	443.5	544.3	498.7	.....

*Beginning 1975 includes small quantities utilized in elderly feeding programs. Pack year beg. July 1. **7/1/83 thru 3/31/84. † Includes dehydrated sweet potatoes. [1] Pinto, small red, blackeyes, red kidney and baby lima. [2] Grapefruit Juice beg. 1981.

DOMESTIC FEEDING PROGRAMS*

(Source: Commodity Procurement Br., Fruit & Veg. Div., Agricultural Marketing Service, U.S.D.A.)

PACK YEAR*	1974	1975	1976	1977	1978	1979	1980	1981	[3]1982	**1983
CANNED VEGETABLES—Thousands of Cases, Equiv. 24/303										
Beans, Gr.	383.0	148.4	39.2	14.0	81.2	81.2	100.8	81.2	81.2	30.8
Beans, Vegt.	.....	.....	.....	58.8	72.8	47.6	56.0	86.8	514.5	92.4
Corn	.....	56.0	58.8	78.4	170.8	56.0	67.2	61.2	464.3	105.0
Peas	.....	68.6	67.2	44.8	28.0	78.4	50.4	39.2	47.6	13.6
Potatoes, Sweet	.....	.....	.....	.....	.....	25.2	22.4	16.8	329.4	47.6
Tomatoes	.....	.....	56.0	75.6	95.2	.....	14.0	36.4	75.6	22.4
Other[1]	.....	.....	.....	.....	.....	67.2	130.9	61.0	151.2	96.6
Total	383.0	273.0	221.2	271.6	448.0	355.6	441.7	382.6	1,663.8	408.4
CANNED FRUITS—Thousands of Cases Equiv. 24/2½										
Peaches	65.4	.....	.....	24.0	26.0	62.9	66.6	25.9	256.2	.....
Pears	.....	.....	.....	9.3	33.3	44.4	29.6	37.0	44.5	[3]260.4
Pineapple	.....	.....	.....	.....	38.9	14.6	13.0	12.9	29.2	32.5
Other[2]	.....	90.7	.....	9.6	.....	81.6	119.1	56.4	349.7	110.1
Total	65.4	90.7	.....	42.9	98.2	203.5	228.3	132.2	679.6	403.0
CANNED JUICES—Thousands of Cases Equiv. 24/2										
Apple Juice	141.1	325.1	.....	156.2	123.5	90.7	115.9	166.3	209.2	241.9
Fruit Nectar	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grapefruit Juice	385.6	126.0	126.0	.....	.....	60.5	63.0	85.7	499.0	68.0
Orange Juice	151.2	100.8	453.6	375.5	572.0	184.0	388.1	507.2	622.4	569.5
Pineapple Juice	.....	.....	.....	.....	80.7	168.8	136.1	153.8	194.0	96.3
Tomato Juice†	.....	.....	.....	.....	47.9	85.6	55.4	52.9	85.7	52.9
Total	677.9	551.9	579.6	531.7	824.1	589.6	758.5	965.9	1,610.3	1,030.6

*Prior to 1976 "Needy Families". Pack year beginning July 1. **7/1/83 thru 3/31/84. † Includes Vegetable Juice Cocktail. [1] Includes carrots, white potatoes, pumpkin, spinach. [2] Includes applesauce, apricots, fruit cocktail, purple plums. [3] Includes quantities purchased for Emergency feeding program (Publaw 98-8 Jobs Bill) as follows: Beans vegt. 427.7, Potatoes Sw. 301.4, Corn 324.3, applesauce 230.7, Peaches 190.3, grapefruit juice 385.6 and in 1983-84 pears 238.9.

GOVERNMENT PURCHASES—SPECIFIED FROZEN FOODS†

MILITARY

Thousands of Pounds

PACK YEAR	1977	1978	1979	1980	1981	1982	1983
Asparagus	1,119.0	1,299.0	1,112.0	861.0	1,329.0	1,027.0	423.0
Beans, Green & Wax	3,193.0	3,526.0	3,341.0	3,326.0	3,863.0	3,452.0	2,747.0
Beans, Lima	1,549.0	1,024.0	1,326.0	1,519.0	1,494.0	1,470.0	781.8
Broccoli	3,226.0	3,055.0	3,509.0	3,505.0	3,475.0	3,394.9	3,325.0
Brussel Sprouts	1,046.0	1,080.0	1,936.0	2,110.0	2,017.0	1,979.0	1,706.0
Carrots	654.0	479.0	572.0	963.0	1,107.0	1,122.0	1,112.0
Cauliflower	1,938.0	1,452.0	2,381.0	2,600.0	2,314.0	2,174.0	2,024.0
Corn	5,988.0	6,988.0	5,952.0	6,701.5	5,547.0	5,463.0	6,349.6
Greens	1,385.0	856.0	1,382.0	1,814.0	1,732.0	1,731.0	1,283.9
Okra	112.0	144.0	170.0	366.0	256.0	384.0	420.0
Onion Rings	755.0	715.0	1,104.0	1,186.2	1,360.0	1,153.0	1,102.0
Peas	2,773.0	2,887.0	2,682.0	2,597.0	2,828.0	2,650.0	2,133.0
Peas & Carrots	1,234.0	1,100.0	1,175.0	1,478.0	1,170.0	1,439.0	1,060.0
Peppers, Sweet	1.0	2.0	40.0	65.0	40.0	40.0	58.0
Potatoes, Diced	.....	412.0	417.0	596.0	486.0	356.0	328.0
Potatoes, French fried	33,102.0	39,712.0	28,186.0	30,210.8	33,904.6	31,288.4	30,874.5
Potatoes, Shoestring	.....	2,361.0	3,533.0	3,332.7	3,035.0	2,859.0	2,529.7
Potatoes, Shredded	.....	2,272.0	4,684.0	6,281.7	6,470.4	6,819.0	4,670.6
Spinach	1,524.0	1,756.0	1,705.0	1,699.0	1,896.0	2,028.0	2,479.4
Squash	512.0	812.0	712.0	978.0	854.0	1,024.0	812.0
Succotash	982.0	1,084.0	1,235.0	1,383.0	1,142.5	1,478.7	1,381.0
Vegetables, Mixed	3,270.0	4,284.0	3,206.0	3,652.3	3,156.5	2,858.0	3,666.0
Total Above	64,443.0	77,318.0	70,360.0	77,225.2	79,477.0	76,190.0	71,266.5
Blueberries	99.0	266.0	307.0	174.0	38.0	36.0	75.0
Cherries	.....	71.0	.....	128.0	.....	29.0	0.0
Peaches	642.0	470.0	417.0	528.0	171.0	62.0	55.0
Raspberries	.....	.....	.....	56.0	.....	0.0	36.0
Strawberries	1,910.0	1,344.0	2,242.0	1,168.0	1,573.0	1,261.0	1,300.0
Total Above	2,651.0	2,151.0	2,966.0	2,054.0	1,782.0	1,388.0	1,466.0
Grape Juice	1,601.6	1,203.5	1,666.4	2,630.9	2,454.5	2,891.7	3,924.9
Grapefruit Juice	382.9	193.1	368.2	374.6	384.2	347.8	592.6
Lemon Juice	118.8	101.0	108.0	72.0	77.0	66.6	40.8
Lime Juice	.....	.....	.....	.....	.7	0.0	0.0
Orange Juice	5,701.2	5,328.2	6,405.0	6,924.6	7,039.9	7,545.8	10,885.3
Total Above	7,804.5	6,825.8	8,547.8	10,002.0	9,956.3	10,851.9	15,443.6

USDA—CHILD NUTRITION

(Includes small quantities used for elderly)

Thousands of Pounds

PACK YEAR[1]	1975	1976	1977	1978	1979	1980	1981	1982	[2]1983
Beans, Green	13,871	9,000	956	.....	3,366	5,082	1,848	1,254	726
Corn	18,281	5,738	3,206	13,331	7,722	.....	.....	.....	4,554
Peas	12,461	13,163	2,808	10,940	8,910	8,118	.....	2,178	1,056
Potato Rounds	.....	.....	29,520	58,500	72,996	20,130	9,900	43,230	.....
Potatoes, French Fried	50,160	51,240	59,580	67,080	79,596	.....	12,672	47,257	37,554
Vegetables, Mixed	.....	.....	.....	20,592	22,440	.....	.....	.....	.....
Total	94,773	79,141	96,070	170,443	195,030	33,330	24,420	93,919	43,890
Blueberries	.....	.....	.....	.....	.....	.....	.....	.....	560
Cherries, RTP	.....	.....	.....	.....	.....	.....	19,650	8,888	.....
Lemon Juice (Conc.)	.....	7,425	1,283	.....	.....	.....	.....	2,268	.....
Orange Juice (Conc.)	23,463	25,517	.....	.....	.....	.....	.....	.....	.....

[1] July 1 thru June 30 beginning year shown. [2] 7/1/83 thru 3/31/84.

CIVILIAN PER CAPITA CONSUMPTION

COMMERCIALLY PRODUCED VEGETABLES

Source: Economic Research Service, U.S.D.A.

Period	Fresh equivalent					As percentage of annual total			
	Total fresh and processed	Fresh[1]	Processed [1]			Total Fresh	Processed		
			Total	Canned	Frozen		Total Proc.	Canned	Frozen
	Pounds	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Percent*	*Percent*	*Percent*	*Percent*
1940-44	186.9	117.7	69.2	67.0	2.2	62.9	37.1	35.9	1.2
1945-54	204.0	118.0	86.0	77.9	8.1	57.8	42.2	38.2	4.0
1955-64	200.8	103.5	97.3	82.4	14.9	51.5	48.5	41.0	7.4
1965-74	211.5	98.0	113.5	93.5	20.0	46.4	53.6	44.1	9.5
1970	213.6	99.1	114.5	94.0	20.5	46.4	53.6	44.0	9.6
1971	208.9	95.5	113.4	93.3	20.1	45.7	54.3	44.7	9.7
1972	212.9	96.8	116.2	95.8	20.3	45.4	54.6	45.0	9.5
1973	220.2	97.5	122.5	100.8	21.7	44.3	55.7	45.4	9.9
1974	219.8	99.2	120.6	99.9	20.7	45.1	54.9	45.4	9.4
1975	218.3	98.0	120.3	100.7	19.6	44.8	55.2	46.1	9.0
1976	222.7	100.8	121.9	101.6	20.3	45.2	54.8	45.6	9.3
1977	225.1	101.8	123.3	102.5	20.8	45.0	54.9	45.5	9.2
1978	222.0	103.9	118.3	96.9	21.4	46.7	53.2	43.6	9.6
1979	231.6	104.8	126.8	104.1	22.7	45.9	54.2	44.9	10.0
1980	217.1	107.9	110.0	88.9	21.1	48.2	51.8	40.8	9.4
1981	214.8	104.9	110.0	86.7	23.2	45.9	54.1	40.4	10.0
1982[2]	220.9	109.4	111.4	89.6	21.9	49.5	50.5	40.6	9.9

SELECTED VEGETABLES — POUNDS, FRESH EQUIVALENT

Commodity	1973	1974	1975	1976	1977	1978	1979	1980	1981	[2]1982
Asparagus										
Fresh	.40	.40	.40	.40	.40	.30	.30	.30	.30	n.a.
Canned	.83	.61	.64	.66	.48	.45	.33	.33	.37	.32
Frozen	.21	.19	.17	.21	.17	.17	.14	.12	.11	.10
Total	1.44	1.20	1.21	1.27	1.05	.92	.77	.75	.78	n.a.
Beans, Lima[3]										
Canned	.43	.42	.37	.41	.47	.39	.22	.19	.17	.17
Frozen	1.46	1.32	1.14	1.00	1.12	1.03	1.04	.99	1.06	.99
Total	1.89	1.72	1.51	1.41	1.59	1.42	1.26	1.18	1.23	1.16
Beans, snap										
Fresh	1.60	1.50	1.60	1.60	1.50	1.40	1.40	1.40	1.40	n.a.
Canned	4.00	4.02	3.80	4.07	3.99	3.82	4.16	4.52	3.75	3.78
Frozen	1.34	1.27	1.04	1.35	1.18	1.19	1.29	1.16	1.33	1.28
Total	6.94	6.79	6.44	7.02	6.67	6.41	6.85	7.08	6.48	n.a.
Broccoli										
Fresh	.80	.80	1.00	1.10	1.20	1.11	1.50	1.60	1.80	2.20
Frozen	1.41	1.38	1.27	1.38	1.53	1.83	1.78	1.86	2.02	1.97
Total	2.21	2.18	2.27	2.48	2.73	2.94	3.28	3.46	3.82	4.17
Cabbage										
Fresh	9.00	9.10	9.10	8.80	8.50	8.90	8.50	8.60	8.60	n.a.
Canned[4]	2.18	2.39	2.08	2.21	2.18	2.06	2.40	2.44	1.94	1.84
Total	11.18	11.49	11.18	11.01	10.68	10.96	10.13	11.44	10.54	21.08
Corn[5]										
Fresh	8.00	7.60	7.80	8.10	7.70	7.40	7.30	7.00	6.90	6.80
Canned	15.68	14.70	12.44	13.96	15.19	14.39	14.09	14.49	12.52	13.23
Frozen	5.88	5.78	5.63	5.69	6.46	6.71	7.58	7.18	7.58	7.24
Total	29.56	28.08	25.87	27.75	29.35	28.50	28.97	28.67	27.00	27.27
Cucumbers										
Fresh	3.00	3.40	3.10	3.60	3.90	4.20	4.30	4.30	4.40	n.a.
Canned[6]	5.88	5.74	5.76	6.14	6.03	6.15	6.19	5.82	5.55	5.16
Total	8.88	9.14	8.86	9.74	9.93	10.35	10.49	10.12	9.95	n.a.
Peas, green[3]										
Canned	7.65	6.30	6.19	6.48	6.90	6.33	5.85	5.93	5.59	5.52
Frozen	4.80	4.74	4.59	4.36	4.07	4.15	4.60	4.18	4.22	3.70
Total	12.45	11.04	10.78	10.84	10.97	10.48	10.45	10.11	9.81	9.22
Spinach										
Fresh	.50	.40	.50	.50	.60	.60	.70	.80	1.00	n.a.
Canned	.72	.69	.48	.46	.46	.54	.74	.46	.43	.42
Frozen	.96	1.13	.92	1.01	1.03	1.05	1.01	1.08	1.07	.98
Total	2.18	2.22	1.90	1.97	2.09	2.19	2.45	2.34	2.50	n.a.
Tomatoes										
Fresh	12.60	11.80	11.90	12.60	12.40	13.20	12.90	13.40	13.30	13.90
Canned[7]	55.76	57.31	61.75	60.36	60.60	58.16	65.75	50.22	51.61	54.11
Total	68.36	69.11	73.65	72.96	73.00	71.36	78.65	63.62	64.91	68.01

---

[1] Fresh data includes dehydrated onions and excludes melons. Processed data includes pickles and kraut in bulk; excludes canned and frozen potatoes, canned sweet potatoes, canned soups and baby foods.

[2] Preliminary. [3] "in pod" basis. [4] Sauerkraut, canned and bulk. [5] "On-cob" basis. [6] Pickles, canned and bulk. [7] Including canned tomatoes and tomato products other than soup.

PER CAPITA CONSUMPTION — Continued

CANNED VEGETABLES[1]

(POUNDS—PROCESSED WEIGHT)

Year	Beans Snap	Peas	Whole Tom.	Catsup and Chili S.	Paste and Sauce	Veg Juices[2]	Corn	Pickles	Kraut	Other[4]	Total
1909	...	1.8	6.0	...	...	...	2.1	...	...	5.4	15.3
1914	...	2.7	7.2	...	...	...	2.5	...	...	6.8	19.2
1918	...	3.0	7.2	...	...	...	3.2	...	...	8.9	22.3
1920	.8	3.0	5.0	...	...	...	4.0	1.2	.7	3.7	18.5
1925	1.3	4.6	7.0	...	.4	...	3.8	1.5	1.5	5.6	25.7
1929	1.7	4.4	5.9	1.8	.3	...	3.9	1.8	2.0	4.1	25.9
1934	1.3	3.6	5.4	1.5	.4	1.1	2.9	1.7	1.5	3.9	23.3
1937	1.8	4.6	5.6	1.7	.5	3.0	3.9	2.1	1.4	4.8	29.4
1940	2.3	5.5	5.9	2.5	.8	3.0	4.5	2.2	2.1	5.6	34.4
1943	2.6	5.9	5.6	1.7	1.5	4.1	5.4	2.5	1.8	5.9	37.0
1946	3.3	7.6	4.0	2.9	3.1	5.2	6.3	2.9	2.3	9.2	46.8
1950	3.4	5.4	5.1	2.7	2.5	5.0	5.2	3.3	1.9	7.5	42.1
1954	3.6	4.9	4.6	2.8	2.7	5.1	5.2	3.9	2.0	7.1	42.0
1958	4.2	4.7	4.6	3.5	3.4	4.7	5.4	4.6	1.7	8.2	45.0
1960	4.2	4.4	4.6	3.8	3.8	4.7	5.3	4.5	1.5	7.9	44.7
1964	4.8	4.1	4.5	4.6	3.9	4.5	5.6	6.2	1.2	7.8	47.2
1968	5.5	4.2	4.9	(a)	9.8	4.0	5.8	7.7	1.6	8.8	52.3
1972	5.8	3.8	5.1	(a)	10.2	3.7	6.5	7.8	1.4	10.9	55.9
1973	5.9	4.2	5.7	(a)	11.2	3.3	6.4	7.9	1.4	11.4	57.3
1974	5.9	3.5	4.9	(a)	11.9	3.6	6.0	7.7	1.5	11.4	56.4
1975	5.5	3.4	4.9	(a)	13.4	3.6	5.0	7.7	1.3	9.8	54.6
1976	5.9	3.6	5.1	(a)	13.1	2.8	5.7	8.3	1.4	9.0	54.9
1977	5.8	3.8	5.1	(a)	13.2	3.1	6.2	8.1	1.4	8.6	55.3
1978	5.9	3.6	5.2	(a)	12.6	3.6	5.9	8.1	1.3	8.1	54.4
1979	5.8	3.2	5.7	(a)	14.6	2.8	5.7	8.3	1.3	8.0	55.6
1980	6.3	3.3	6.0	(a)	9.9	3.1	5.8	7.8	1.3	7.1	50.6
1981	5.3	3.0	6.1	(a)	10.8	1.8	5.1	7.5	1.2	6.9	47.7
1982[3]	5.3	3.0	6.1	(a)	11.5	1.7	5.4	6.9	1.0	7.1	47.9

[1] Excludes soups and baby food. In years 1909-42 calendar-year data are derived from pack-year data by combining proportional parts of each pack year involved. Civilian consumption, beginning 1941. [2] Based on information available for 1944-46, tomato juice comprises approximately 85 percent of the total, combination vegetable juices 13 percent, and other veg. juices 2 percent. [3] Preliminary. [4] Includes asparagus, lima beans, beets, carrots, misc. greens, mixed veg., pimientos, potatoes (wh. & sw.), pumpkin & sq., spinach, tom. puree. (a) Included in paste and sauce.

CANNED FRUITS[1]

(POUNDS — PROCESSED WEIGHT)

Year	Apples and Sauce	Apri-cots	Cher-ries	Salad, Cock-tail	Peaches incl. Spiced[1]	Pears	Pine-apple	Plums and Prunes	Olives	Other	Total
1909	0.7	0.4	0.1	.....	0.6	0.4	0.3	0.1	0.2	0.2	3.0
1914	.7	.6	.2	.....	1.2	.5	1.7	.1	.3	.4	5.7
1918	1.2	.9	.3	.....	1.2	.9	2.0	.2	.3	.5	7.5
1920	.9	.9	.5	.....	2.1	1.1	2.8	.2	.3	.6	9.4
1925	.9	.7	.6	.2	3.2	.6	3.4	.2	.4	.9	11.1
1929	1.1	.8	.7	.4	2.9	.9	3.2	.4	.6	1.3	12.3
1934	1.0	.7	.8	.5	2.6	1.0	3.6	.4	.5	1.4	12.5
1937	1.0	1.0	1.0	.9	2.7	1.1	3.5	.6	.4	1.3	13.5
1940	1.5	.9	1.4	1.6	4.4	1.5	4.7	.5	.7	1.9	19.1
1943	1.6	.3	.7	1.3	3.2	1.4	2.0	.6	.6	.9	12.6
1944	1.0	1.0	.9	1.0	1.3	.4	2.0	.5	.7	.5	9.3
1945	1.1	1.3	.8	2.4	4.9	.9	.8	.7	.6	.9	14.4
1946	1.4	2.8	1.8	2.7	5.4	1.7	3.4	.7	.7	1.7	22.3
1947	1.7	.9	1.0	2.1	4.5	1.2	3.3	.6	.7	2.2	18.2
1950	2.4	1.1	1.8	2.6	5.9	1.6	3.0	.4	.8	2.0	21.6
1954	2.5	1.0	1.4	2.1	5.6	1.7	3.4	.4	.7	2.4	21.2
1960	3.4	1.1	1.1	2.7	6.1	2.0	3.2	.3	.8	1.9	22.6
1964	3.7	1.0	1.3	2.6	6.6	1.6	3.2	.3	1.0	1.7	23.0
1968	3.5	.9	.7	2.8	5.7	1.4	3.7	.3	.7	2.2	21.9
1971	3.6	1.0	.9	2.6	5.4	2.0	3.3	.3	.9	1.8	21.8
1972	3.5	.7	.7	2.6	5.7	2.0	3.4	.2	.7	1.8	21.3
1973	3.4	.8	.7	3.0	4.9	2.2	3.4	.2	.7	1.9	21.2
1974	3.1	.6	.7	2.7	4.9	1.7	2.6	.2	.9	1.9	19.3
1975	3.1	.5	.8	2.6	4.9	1.9	2.6	.2	.9	1.5	19.0
1976	[3]2.3	.6	.7	2.7	4.9	2.1	2.7	.2	1.0	1.4	18.6
1977	2.5	.6	.6	2.7	5.0	2.2	2.8	.2	1.0	1.4	19.0
1978	2.6	.4	.7	2.8	4.2	1.8	3.0	.2	.6	1.6	17.9
1979	2.5	.4	.7	2.6	4.0	1.8	3.0	.2	1.0	1.6	17.8
1980	2.4	.5	.9	2.5	3.9	1.8	3.0	.1	.8	1.3	17.4
1981	2.1	.4	.8	2.2	3.6	1.6	3.0	.2	1.0	1.5	16.4
1982[4]	2.0	.4	.5	2.2	3.7	1.8	3.0	.2	.8	1.4	16.0

The pack year, on which data are based 1909-42, begins in early June of year indicated. Civilian consumption only, beginning 1941. [1] Reporting of spiced discontinued beginning 1981. [2] Includes berries, cranberries, citrus sections. [3] Not comparable to previous years due to a change in sample size. [4] Preliminary.

PER CAPITA CONSUMPTION (POUNDS)—Continued

CANNED AND CHILLED FRUIT JUICES (EXCLUDING FROZEN)[1]

(Pounds—Processed Weight)

Year	Orange	Grapefruit	Blended	Citrus conc.[2]	Apple	Fruit nec.	Grape	Pineapple[2]	Prune	Total[3]	Chilled[4] Orange
1930	0.01	0.05	...	...	...	...	0.27	...	...	0.33	...
1935	.22	.62	...	...	...	0.01	.29	0.82	0.02	1.99	...
1940	.68	2.34	0.25	....	0.10	.24	.65	2.52	.06	7.23	...
1945	2.75	3.19	1.08	.76	.26	.06	.43	1.12	.89	10.94	...
1950	3.37	2.02	1.01	1.95	.56	.92	.50	1.89	.93	13.45	...
1954	3.08	2.28	.89	1.36	.71	.57	.73	2,41	.97	13.18	...
1958	2.66	1.74	.72	1.62	.77	1.24	.84	3.67	1.05	14.50	1.60
1962	1.92	1.48	.47	.95	1.05	.52	.65	3.27	1.06	11.56	2.19
1966	1.53	1.73	.34	.94	1.17	.40	.63	3.65	1.10	11.61	3.04
1970	1.74	2.98	.33	1.32	2.67	.70	.58	2.97	1.11	14.51	4.35
1974	1.46	3.51	.21	1.01	2.54	.53	.67	2.25	.72	13.00	4.64
1978	1.72	3.51	.16	1.49	4.26	.76	.92	2.63	.94	16.46	5.30
1979	2.04	3.36	.07	1.36	5.28	.56	.64	2.74	.81	16.91	4.88
1980	1.99	2.94	.09	1.97	4.77	.68	.65	2.67	.86	16.76	5.20
1981	2.24	2.43	.07	2.74	6.46	.70	.67	2.83	.93	19.13	3.66
1982[5]	1.76	2.08	.04	.82	7.16	.52	.64	2.8**	.79	16.61	3.19

[1] Civilian consumption beginning 1941. Calendar-year basis except for citrus juices which are on a pack-year basis beginning in November of year prior to that indicated, and grape juice which in the years 1909-33 and 1948 to date begins November prior to year indicated. [2] Single-strength equivalent; pineapple includes concentrate beginning 1957. [3] Includes lemon, lime and tangerine, not shown seperately. [4] Chilled fruit juice is produced commercially from fresh fruit in Florida; does not include reconstituted frozen juice or fresh juice produced for local sale. [5] Preliminary. **Estimated.

FROZEN VEGETABLES[1]

(Pounds—Processed Weight)

Year	Asparagus	Snap Beans	Lima Beans	Peas	Broccoli	Brussels Sp.	Spinach	Corn. Cut Bas.	Potato Prod.	Other	Tot.
1937	0.03	0.05	0.11	0.15	0.01	...	0.02	0.03	...	...	0.40
1940	.05	.04	.13	.21	.01	0.01	.04	.05	...	.03	.57
1946	.13	.20	.27	.60	.12	.07	.20	.15	...	.30	2.04
1950	.12	.35	.51	.86	.22	.09	.38	.21	.12	.52	3.38
1954	.17	.64	.66	1.40	.47	.16	.51	.43	.44	1.02	5.90
1958	.15	.79	.72	1.64	.56	.17	.55	.70	1.44	1.36	8.08
1962	.18	.81	.71	1.84	.62	.20	.56	.85	3.82	1.68	11.27
1966	.2	1.1	.7	2.1	.7	.2	.7	1.3	6.9	2.1	15.8
1970	.1	1.1	.7	1.9	.8	.2	.7	1.6	11.1	2.6	20.8
1974	.1	1.1	.6	1.7	1.0	.3	.8	1.6	13.1	2.9	23.2
1976	.1	1.1	.5	1.6	1.0	.3	.7	1.5	14.6	3.4	24.7
1977	.1	1.0	.5	1.5	1.1	.2	.7	1.7	15.7	3.3	26.0
1978	.1	1.0	.5	1.6	1.4	.3	.7	1.8	17.2	3.4	27.9
1979	.1	1.1	.5	1.7	1.3	.3	.7	2.1	17.7	3.5	29.0
1980	.1	1.0	.5	1.5	1.4	.3	.8	1.9	16.9	3.0	27.3
1981	.1	1.1	.5	1.6	1.5	.3	.8	2.1	18.2	3.6	29.7
1982[2]	.1	1.1	.5	1.4	1.5	.3	.7	2.0	18.1	3.6	28.8

[1] Civilian consumption only , beginning 1941. [2] Preliminary.

FROZEN FRUITS AND JUICES[1]

(POUNDS PROCESSED WEIGHT)

Year	Strawberries	Other berries	Apples	Apricots	Cher.	Grapes	Peaches	& Prunes Plums	Total Fruits	Citrus Juices	
										Product weight[3]	Single strength basis[2]
1937	0.21	0.12	0.01	0.16	...	0.02	0.52	...	...	...	...
1940	.44	.34	.02	.32	.06	.10	1.28	...	...	...	...
1945	.24	.30	.49	.26	.38	.64	2.31	...	...	...	...
1950	.89	.58	.29	.60	.16	.24	2.16	...	...	1.52	5.12
1954	1.48	.41	.31	.52	.17	.15	3.04	...	...	4.40	13.93
1957	1.61	.36	.34	.66	.24	.45	3.66	...	...	5.32	16.99
1960	1.28	.57	.40	.71	.24	.30	3.50	4.56	16.07	5.73	18.00
1964	1.31	.54	.44	.62	.24	.44	3.59	3.46	12.20	4.32	13.78
1966	1.40	.40	.39	.74	.30	.32	3.55	3.95	13.92	4.67	15.20
1970	1.18	.54	.48	.61	.26	.26	3.33	5.91	20.83	6.56	22.20
1974	1.13	.33	.33	.50	.28	.20	2.77	6.92	24.39	9.24	31.40
1976	1.29	.43	.39	.68	.13	.17	3.09	9.80	34.55	10.48	35.53
1977	1.17	.42	.44	.63	.28	.27	3.21	9.74	34.33	10.83	37.12
1978	1.38	.36	.39	.64	.27	.25	3.29	7.84	27.64	9.23	30.68
1979	1.14	.30	.33	.53	.21	.19	2.70	8.65	30.49	9.86	33.33
1980	1.39	.32	.35	.49	.27	.25	3.07	9.05	31.90	9.88	34.18
1981	1.33	.32	.37	.50	.20	.20	2.92	8.60	30.32	9.76	33.39
1982[4]	1.15	.30	.43	.62	.24	.23	2.97	9.50	33.49	11.11	37.17

[1] Prior to 1937, items not reported separately, Civilian consumption beginning 1941. [2] Includes apricots, grapes, prunes and plums. [3] Includes single-strength and concentrated juices. Concentrated juices converted to single strength, basis of 3.525 pounds to 1. [4] Preliminary.

84-I C4850-1-U

— ERRATA —

It has come to our attention (May 7, 1985) that the product headings in the last Per Capita Consumption table on page 624 of the 1984 ALMANAC are incorrect. Please cross out the entire table in your copy of the 1984 ALMANAC and insert the following revised table.

FROZEN FRUITS AND JUICES[1]

(POUNDS PROCESSED WEIGHT)

Year	Straw-berries	Other berries	Apples	Cherries	Peaches	Misc. Fruit[2]	Total Fruit	Orange Juice		Tot. Citrus Juices	
								Product Wgt.[3]	S.S. Basis[4]	Product Wgt.[3]	S.S. Basis[4]
1937	0.21	0.12	0.01	0.16	...	0.02	0.52	...	...	...	...
1940	.44	.34	.02	.32	.06	.10	1.28	...	...	...	...
1945	.24	.30	.49	.26	.38	.64	2.31	...	...	...	...
1950	.89	.58	.29	.60	.16	.24	2.16	...	...	1.52	5.12
1957	1.61	.36	.34	.66	.24	.45	3.66	...	...	5.32	16.99
1960	1.28	.57	.40	.71	.24	.30	3.50	4.56	16.07	5.73	18.00
1964	1.31	.54	.44	.62	.24	.44	3.59	3.46	12.20	4.32	13.78
1966	1.40	.40	.39	.74	.30	.32	3.55	3.95	13.92	4.67	15.20
1970	1.18	.54	.48	.61	.26	.26	3.33	5.91	20.83	6.56	22.20
1974	1.13	.33	.33	.50	.28	.20	2.77	8.41	29.65	9.24	31.40
1977	1.17	.42	.44	.63	.28	.27	3.21	9.74	34.33	10.83	37.12
1978	1.38	.36	.39	.64	.27	.25	3.29	7.84	27.64	9.23	30.68
1979	1.14	.30	.33	.53	.21	.19	2.70	8.65	30.49	9.86	33.33
1980	1.39	.32	.35	.49	.27	.25	3.07	9.05	31.90	9.88	34.18
1981	1.33	.31	.37	.50	.19	.21	2.90	8.59	30.28	9.75	33.35
1982	1.15	.29	.43	.61	.23	.23	2.97	9.48	33.42	11.09	37.10
1983[5]	1.18	.26	.32	.63	.13	.26	2.96	10.92	38.49	12.05	41.42

[1] Prior to 1937, items not reported separately, Civilian consumption beginning 1945. [2] Includes apricots, grapes, prunes and plums. [3] Product weight includes single-strength and concentrated juices. [4] Concentrated juices converted to single strength, basis of 3.525 pounds to 1. [5] Preliminary.

The ALMANAC of the Canning, Freezing, Preserving Industries, P.O. Box 866, Westminster, MD 21157 U.S.A.